



Finger Print AccessControl System

Example of User Details for Finger Print Enrollment:

The screenshot shows a web application window titled "Access Control System". It has a menu bar with "View Log", "User Management", "Settings", "Modbus Settings", "Factory Settings", and "Debug". The "User Management" section is active. It displays "Total Number of Registration : 1". On the left, the "User Details" section has a dropdown for "User ID" (showing "RDL"), and text input fields for "Name" (1023), "ID" (RDL), "Level" (1), and "Dept" (ABCD). A green "Delete" button is at the bottom. On the right, the "Enroll" section has input fields for "ID" (RDL), "Name" (1023), "Level" (1), and "Dept" (ABCD). A green "Enroll" button with a checkmark is at the bottom. The footer says "Powered By : RDL Technologies Pvt. Ltd."

Total Number of Registration: Shows the number of registrations done.

Enroll

User ID: takes only number and letters, special character not accepted, Length: 8 bytes

Name: Enter name, Length max: 20 bytes

Note: displays only 16 byte in display.

Level: Length max: up to 5 levels accepted

Department: max length: 20 bytes

Note:

1. Users cannot use same user id's

User details

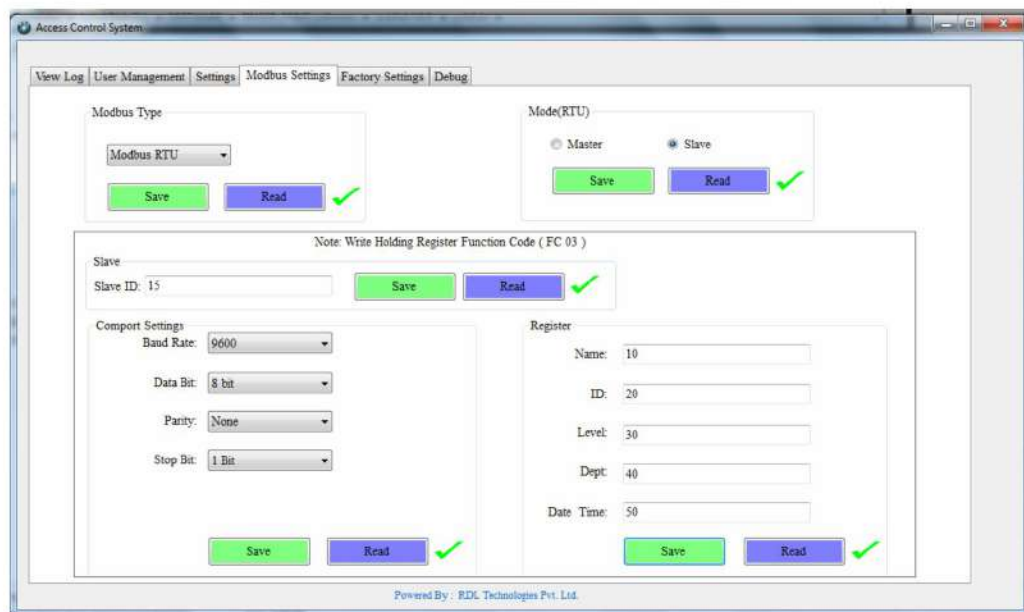
If enrollment is completed

Select user ids from the list by clicking on the down arrow in User id block, Respective name, level and department appear.

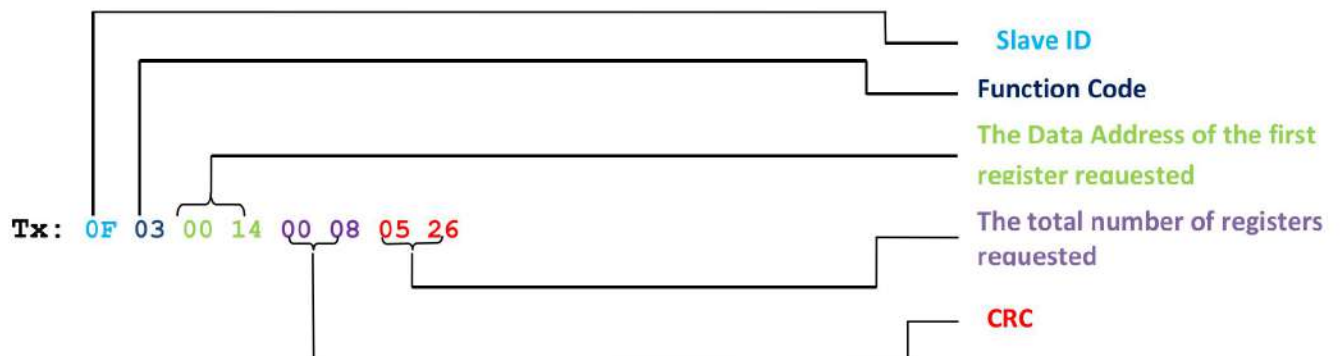
Delete

Deletes the enrolled details.

1. MODBUS RTU (SLAVE)

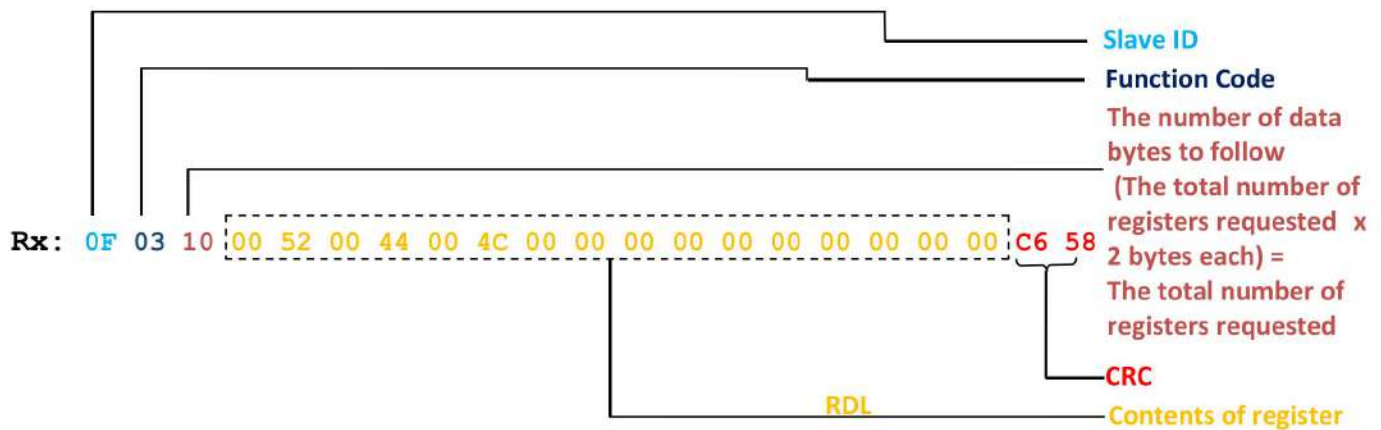


1.1 Modbus RTU data format to transfer ID information (Slave)



Note:

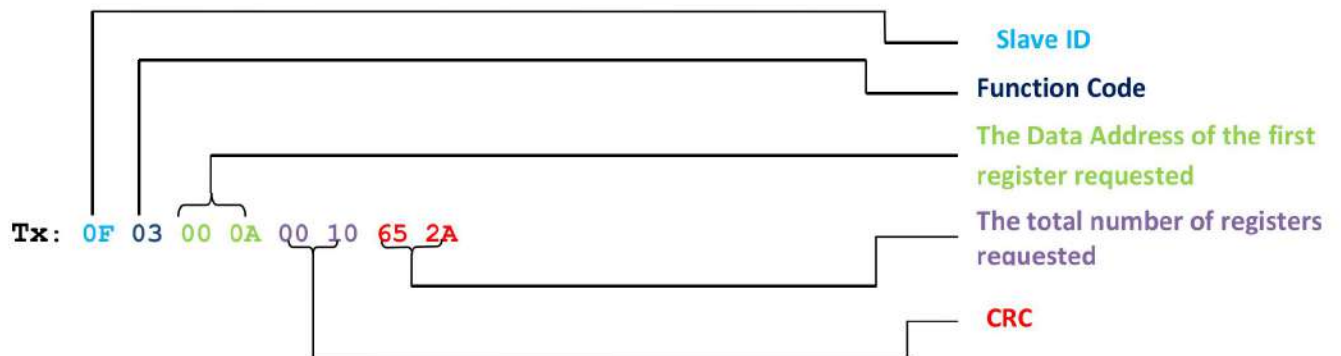
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.



Note:

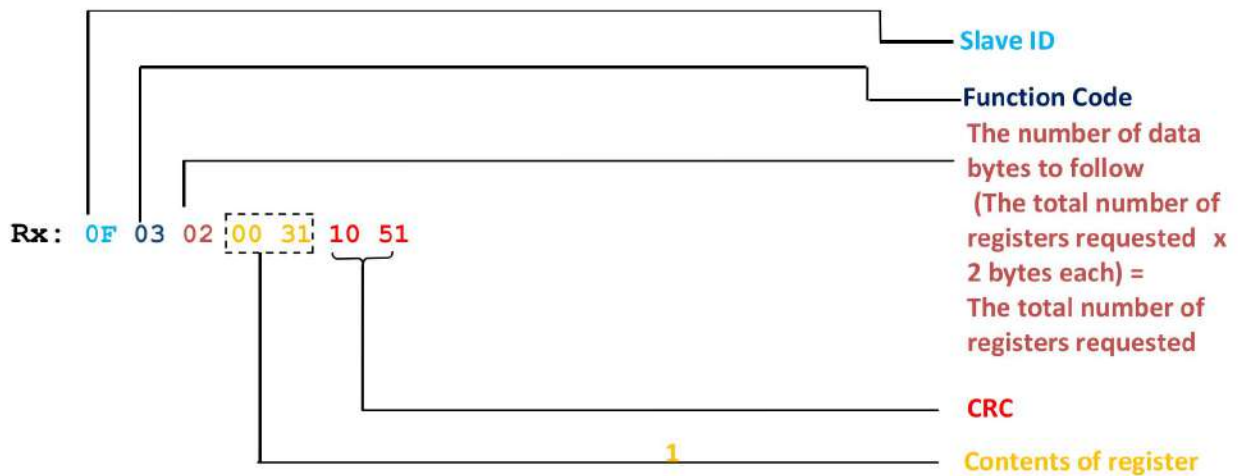
1. **Hexadecimal** = 0x00 52, 0x00 44, 0x00 4C **Decimal** = 82, 68, 76 **ASCII** = RDL.
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

1.2 Modbus RTU data format to transfer Name information (Slave)



Note:

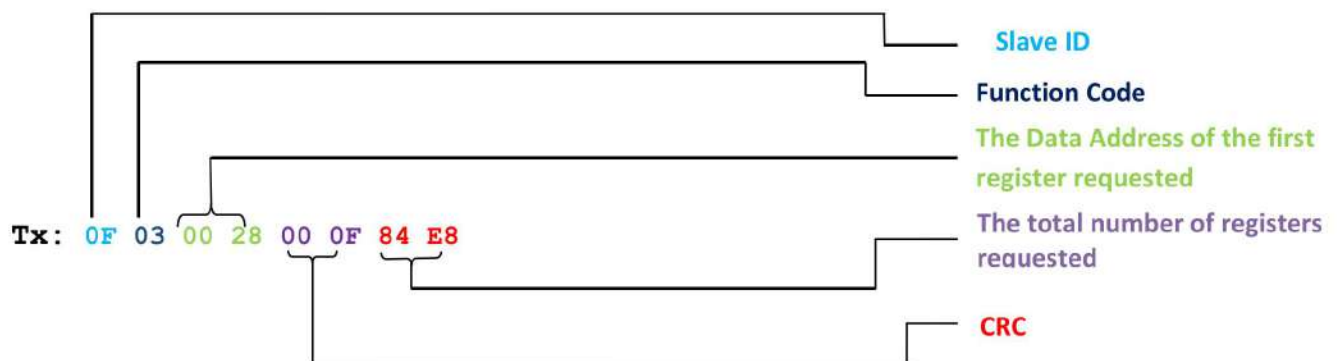
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.



Note:

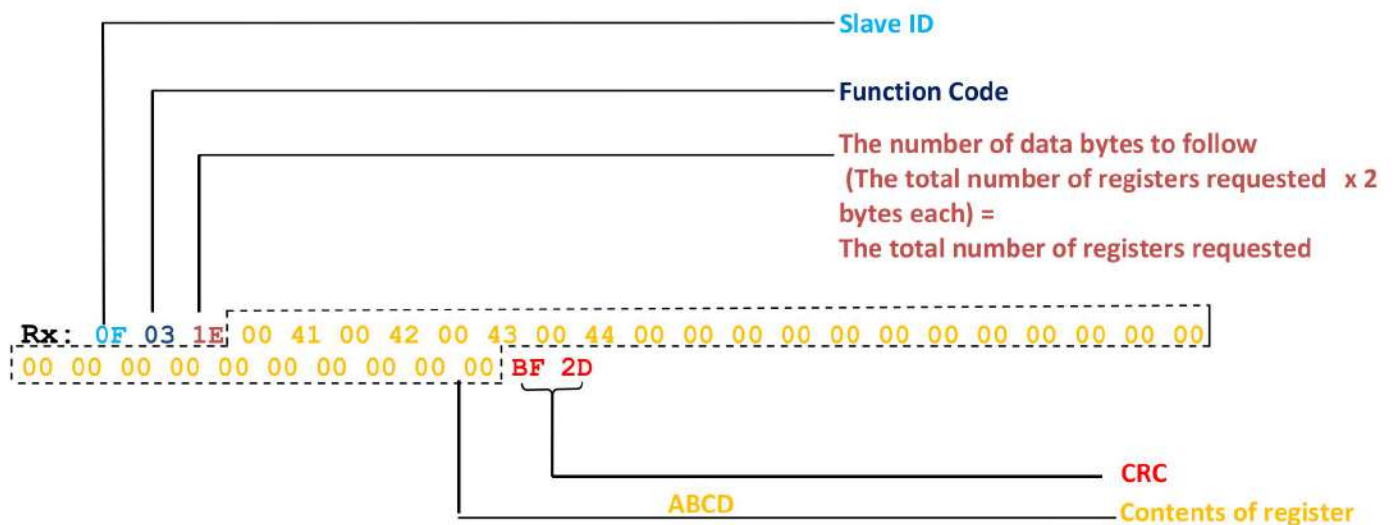
1. **Hexadecimal** = 0x00 31 **Decimal** = 49 **ASCII** = 1.
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

1.4 Modbus RTU data format to transfer Department information (Slave):



Note:

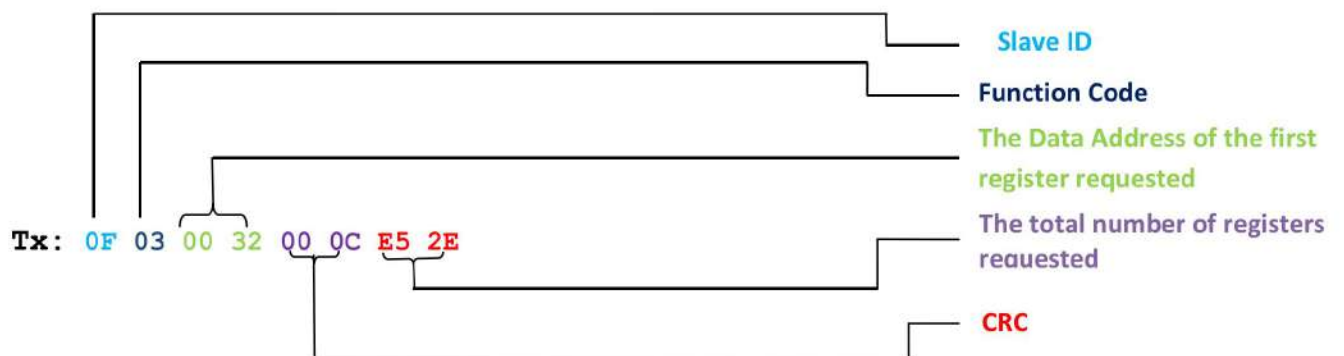
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.



Note:

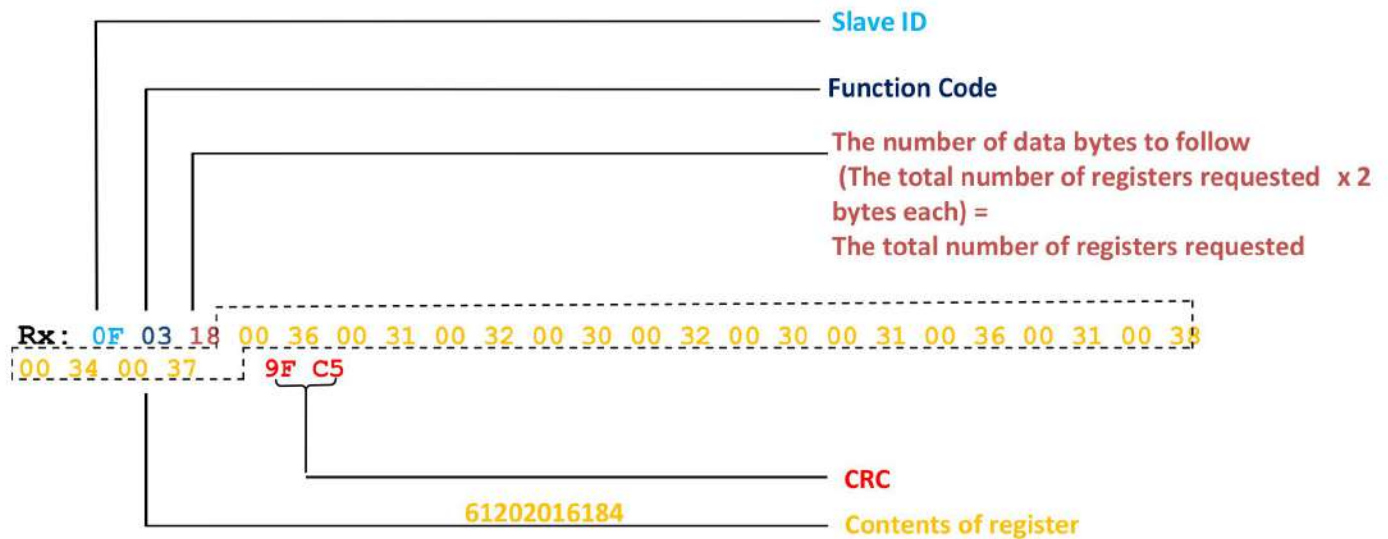
1. **Hexadecimal** = 0x00 41 0x00 42 0x00 43 0x00 44 **Decimal** = 65, 66, 67, 68 **ASCII** = ABCD.
2. All the above Data are hexadecimal values
3. Function Code 0x03 is for Read Register.

1.5 Modbus RTU data format to transfer Date/Time information (Slave):



Note:

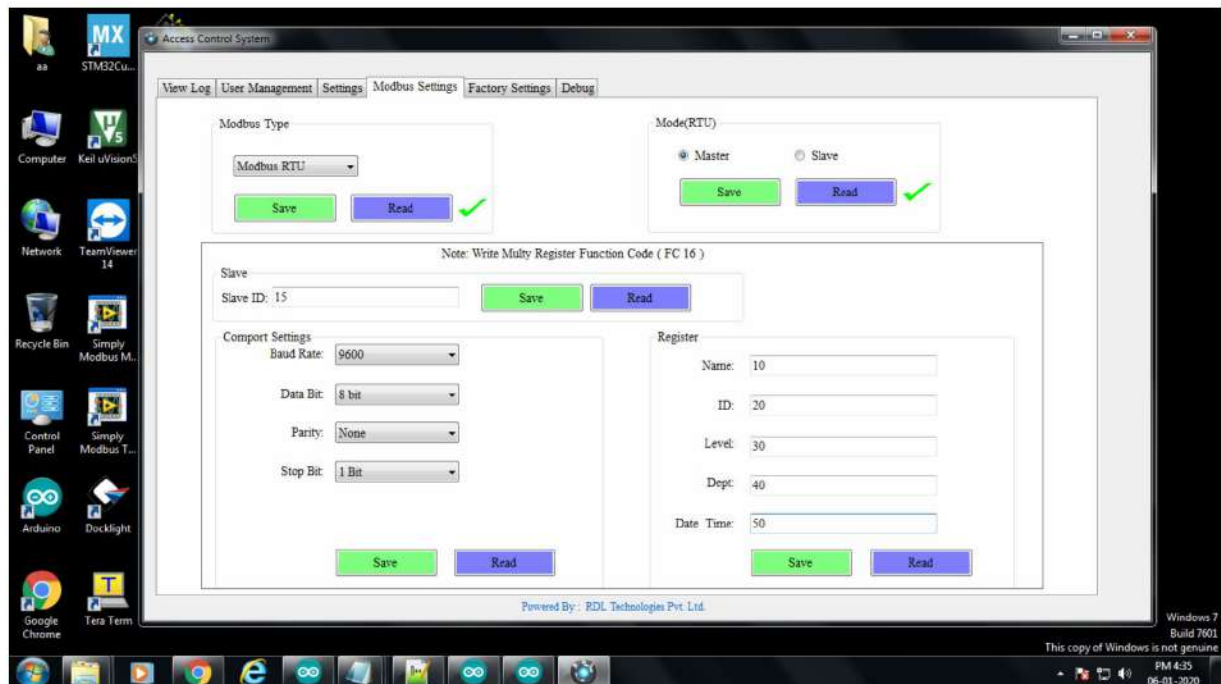
1. All the above Data are hexadecimal values
2. Function Code 0x03 is for Read Register.



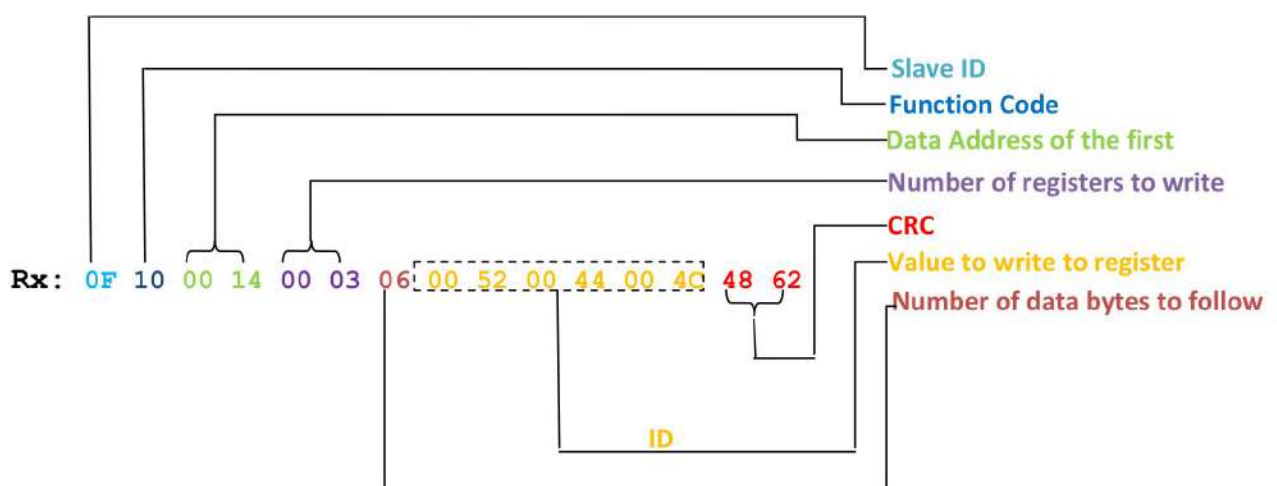
Note:

1. **Hexadecimal** = 0x00 36 0x00 31 0x00 32 0x00 30 0x00 32 0x00 30 0x00 31 0x00 36 0x00 31 0x00 38 0x00 34 0x00 37 **Decimal** = 54, 49, 50, 48, 50, 48, 49, 54, 49, 56, 52, 55 **ASCII** = 612020161847.
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

2. MODBUS RTU (MASTER):

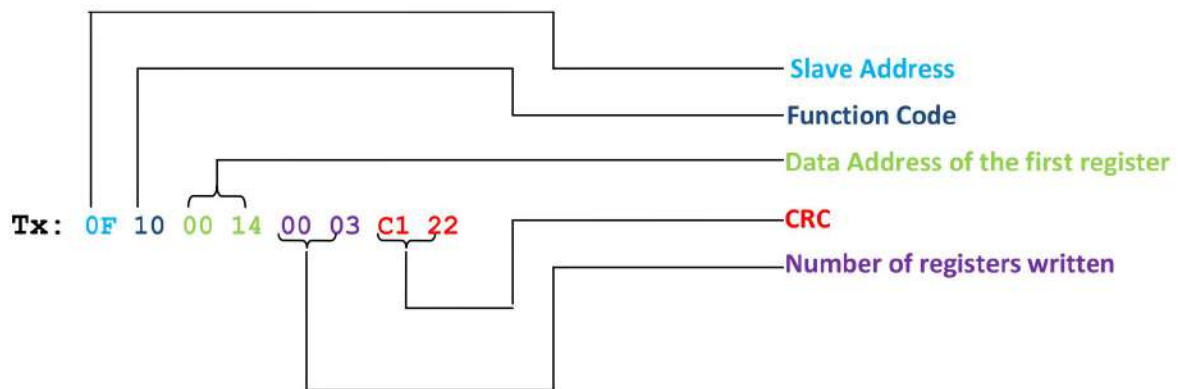


2.1 Modbus RTU data format to transfer ID information (Master):



Note:

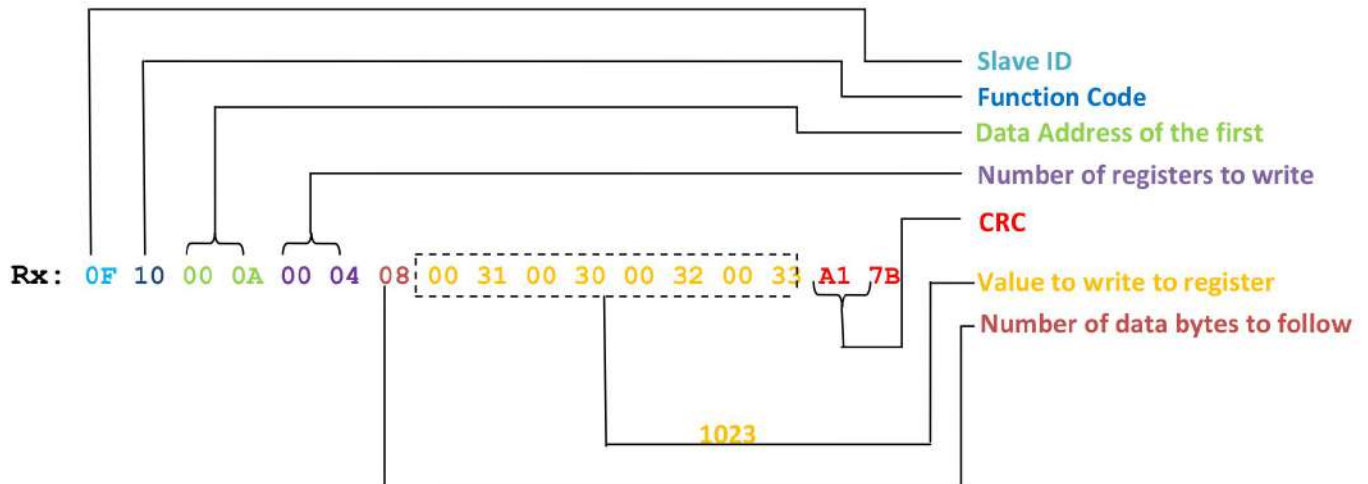
1. **Hexadecimal** = 0x00 52 0x00 44 0x00 4C **Decimal** = 82, 68, 76 **ASCII** = RDL.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



Note:

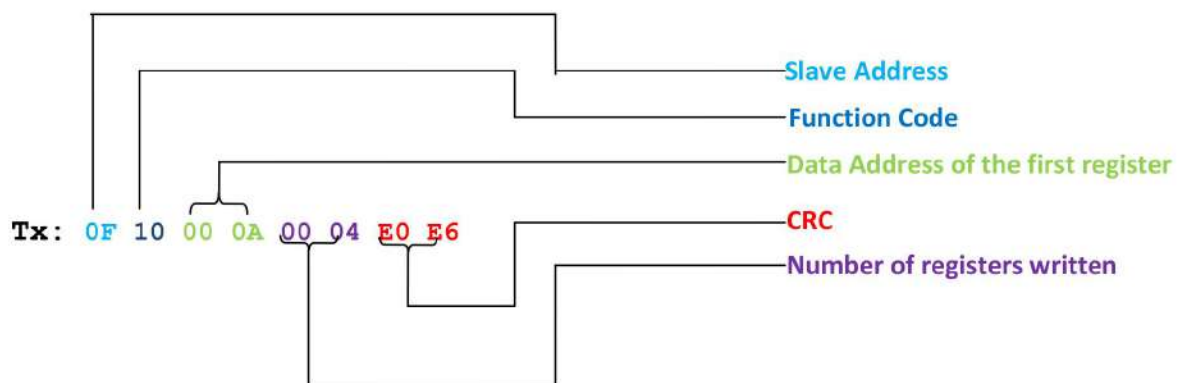
1. All the above Data are hexadecimal values .
2. Function Code 0x10 is for Multiple Register.

2.2 Modbus RTU data format to transfer Name information (Master):



Note:

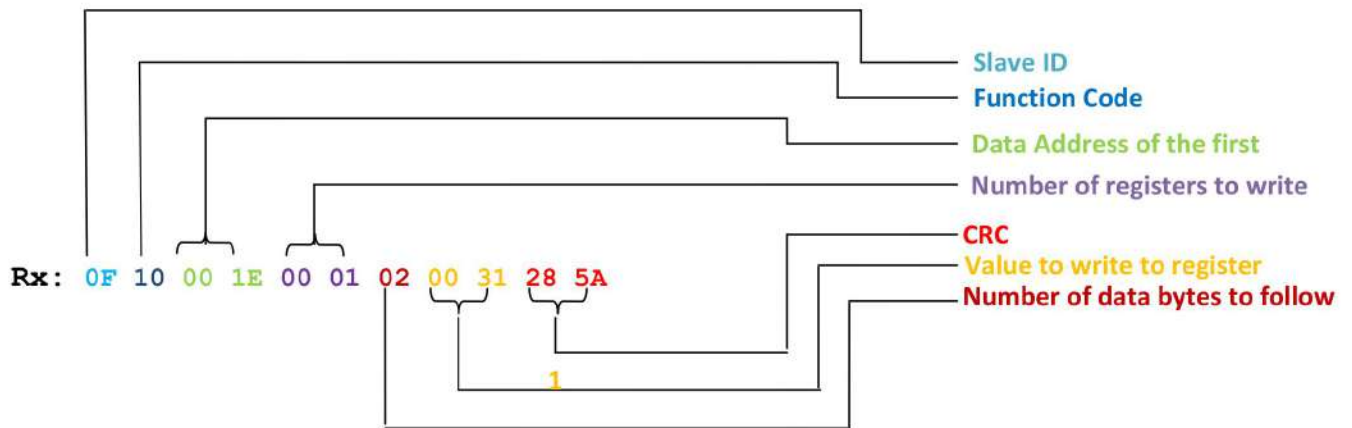
1. **Hexadecimal** = 0x00 31 0x00 30 0x00 32 0x00 33 **Decimal** = 49, 48, 50, 51 **ASCII** = 1023.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

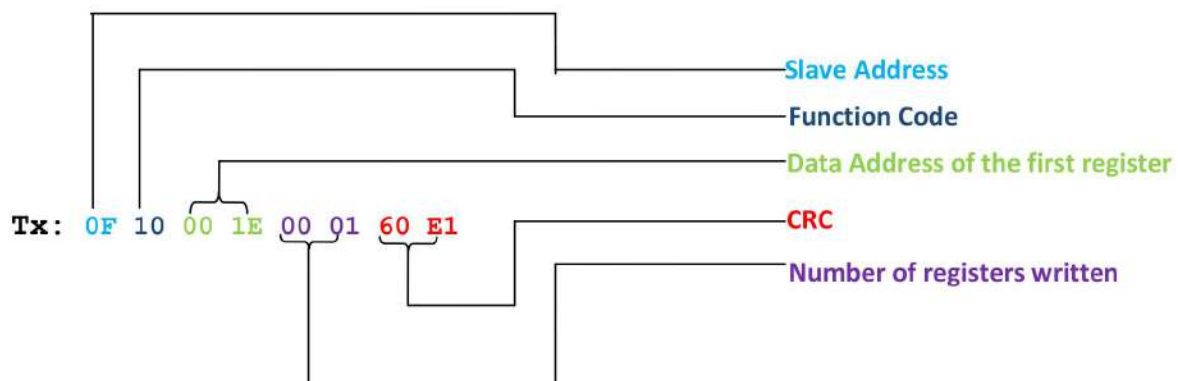
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

2.3 Modbus RTU data format to transfer Level information (Master):



Note:

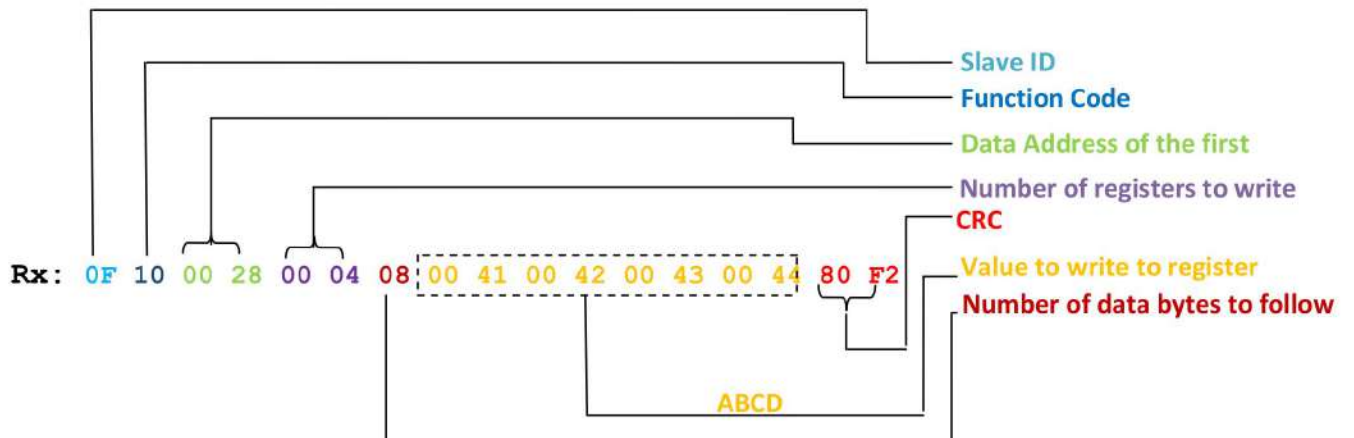
1. **Hexadecimal** = 0x00 31 **Decimal** = 49 **ASCII** = 1.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

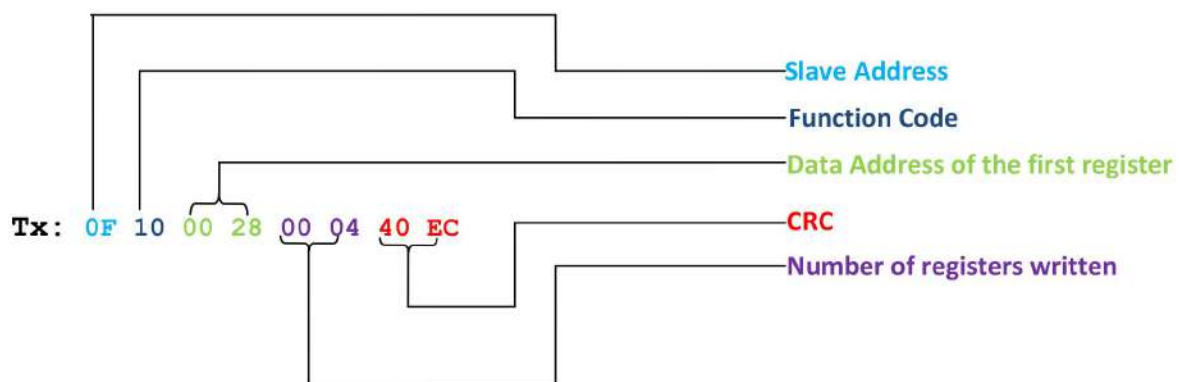
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

2.4 Modbus RTU data format to transfer Department information (Master):



Note:

1. **Hexadecimal** = 0x00 41 0x00 42 0x00 43 0x00 44 **Decimal** = 65, 66, 67, 68 **ASCII** = ABCD.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

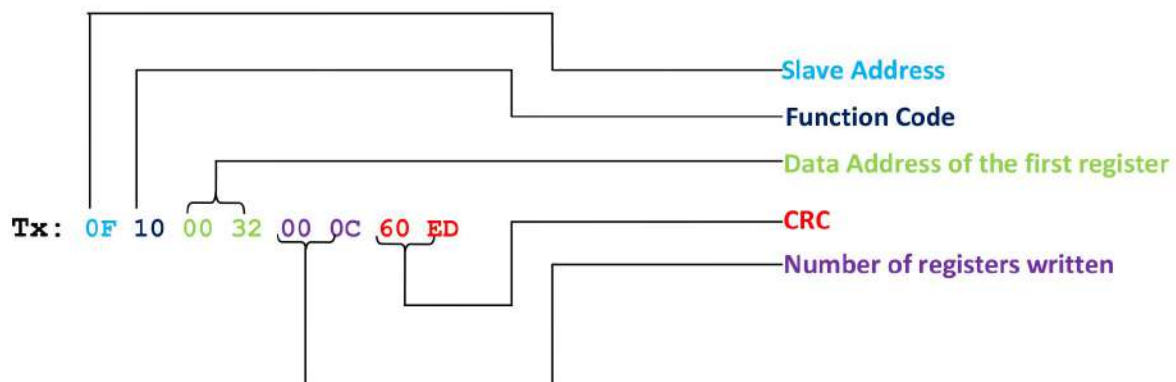
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

2.5 Modbus RTU data format to transfer Date/Time information (Master):



Note:

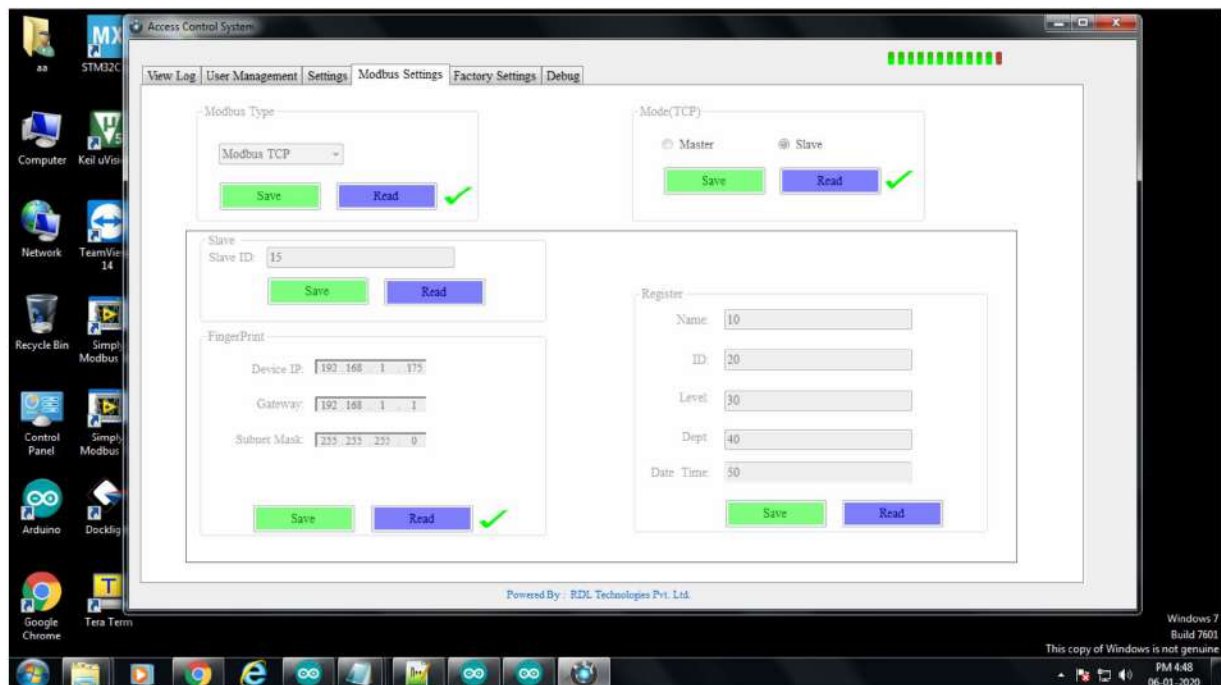
1. Hexadecimal = 00 36 00 31 00 32 00 30 00 32 00 30 00 31 00 36 00 34 00 34 00 34 00 39 Decimal = 54, 49, 50, 48, 50, 48, 49, 54, 52, 52, 52, 57 ASCII = 612020164449.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



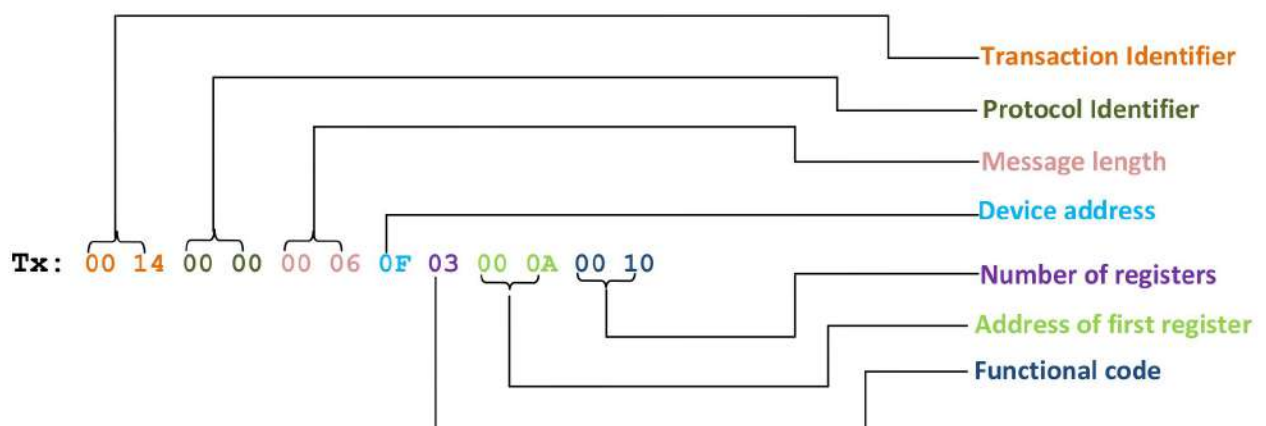
NOTE:

1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

3. MODBUS TCP (SLAVE)

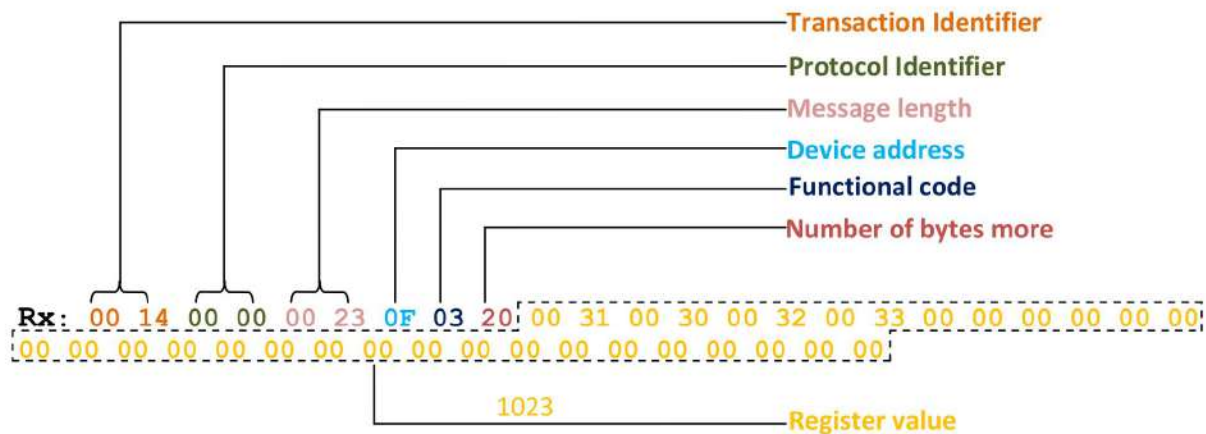


3.1 Modbus TCP data format to transfer Name information (Slave)



NOTE:

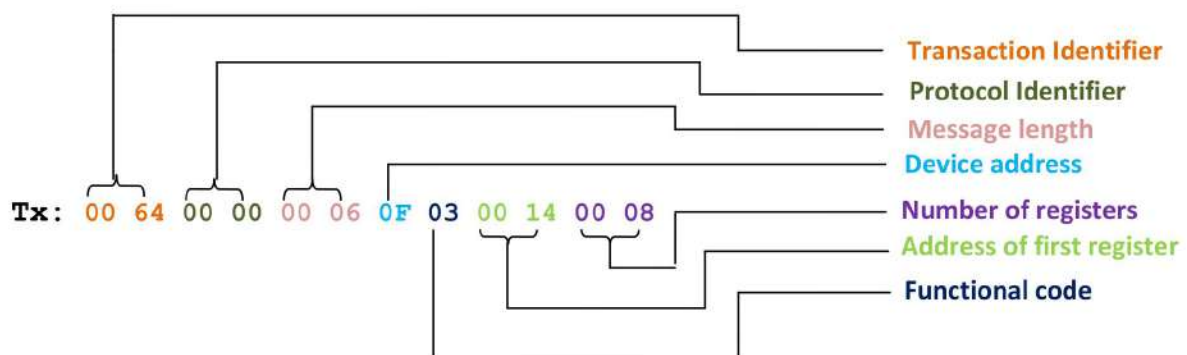
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register



Note:

1. **Hexadecimal** = 00 31 00 30 00 32 00 33 **Decimal** = 49, 48, 50, 51 **ASCII** = 1023.
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

3.2 Modbus TCP data format to transfer ID information (Slave):

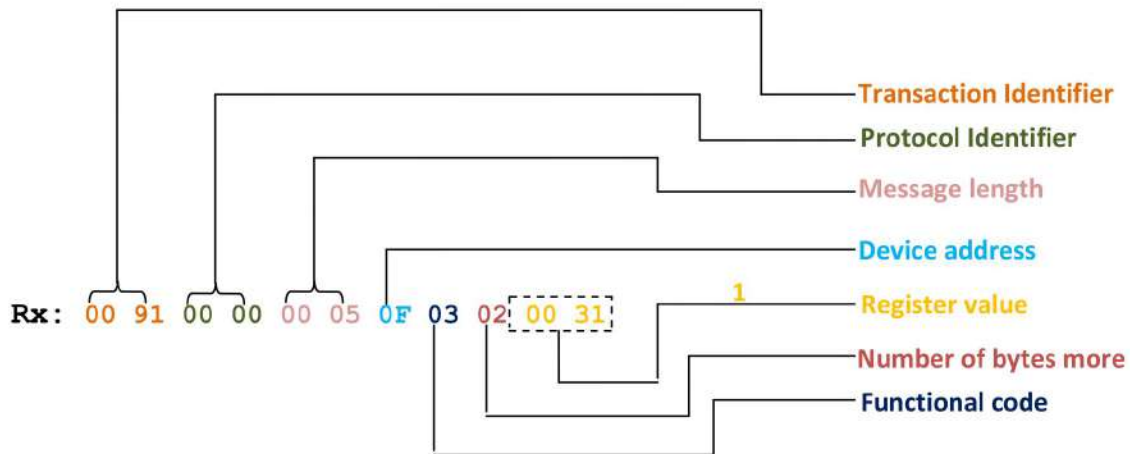


NOTE:

1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.

NOTE:

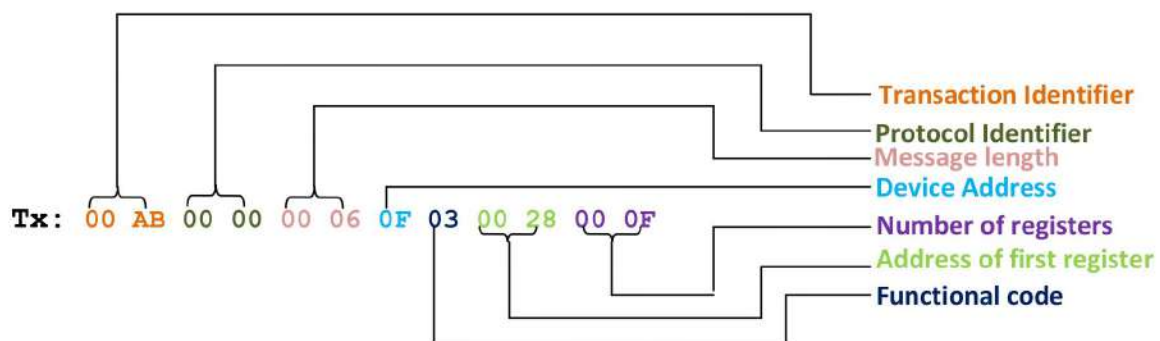
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.



Note:

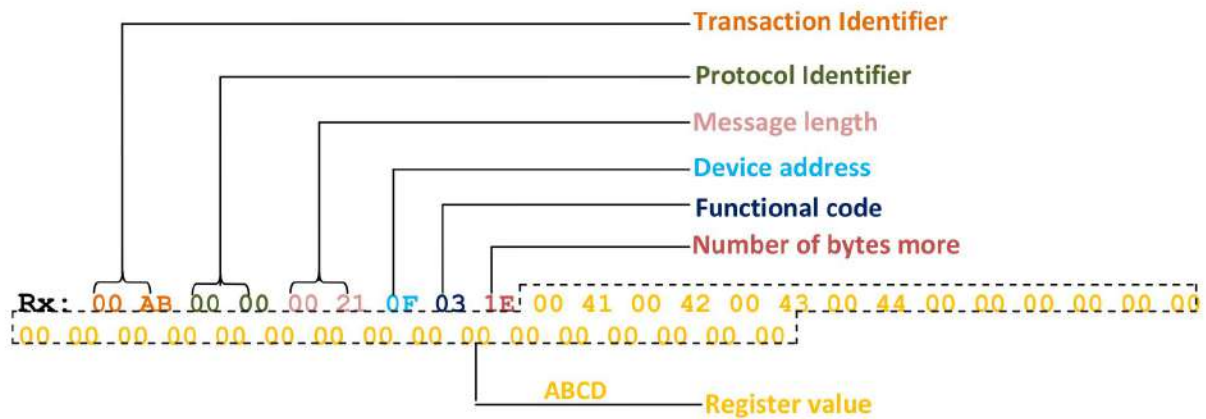
1. **Hexadecimal = 00 31 Decimal = 49 ASCII = 1.**
2. All the above Data are hexadecimal values
3. Function Code 0x03 is for Read Register.

3.4 Modbus TCP data format to transfer Department information (Slave):



NOTE:

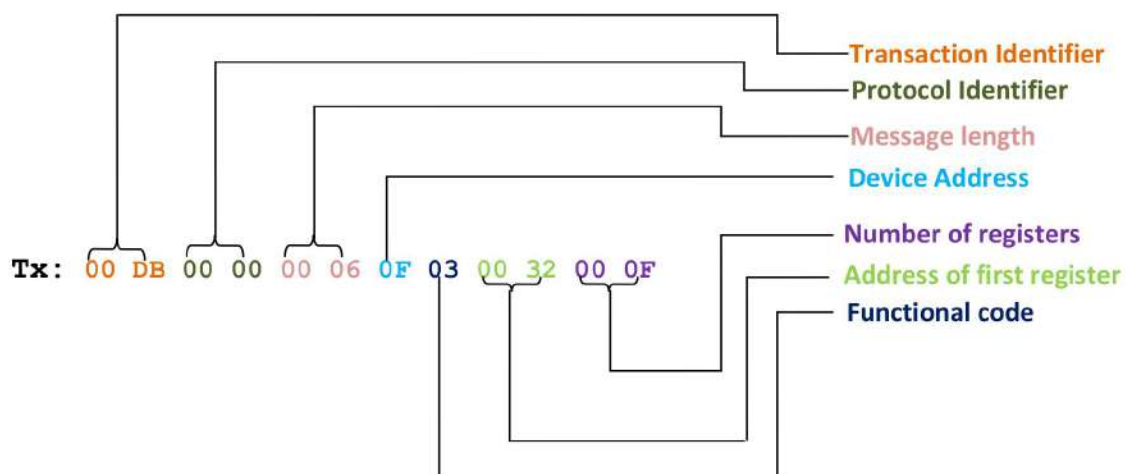
1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.



Note:

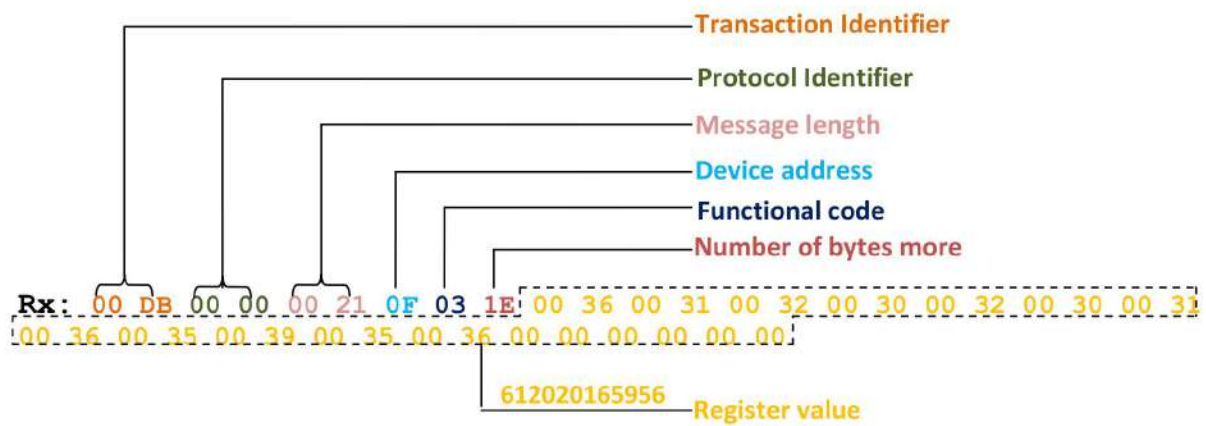
1. **Hexadecimal** = 00 41 00 42 00 43 00 44 **Decimal** = 65, 66, 67, 68 **ASCII** = ABCD.
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

3.5 Modbus TCP data format to transfer Date/Time information (Slave):



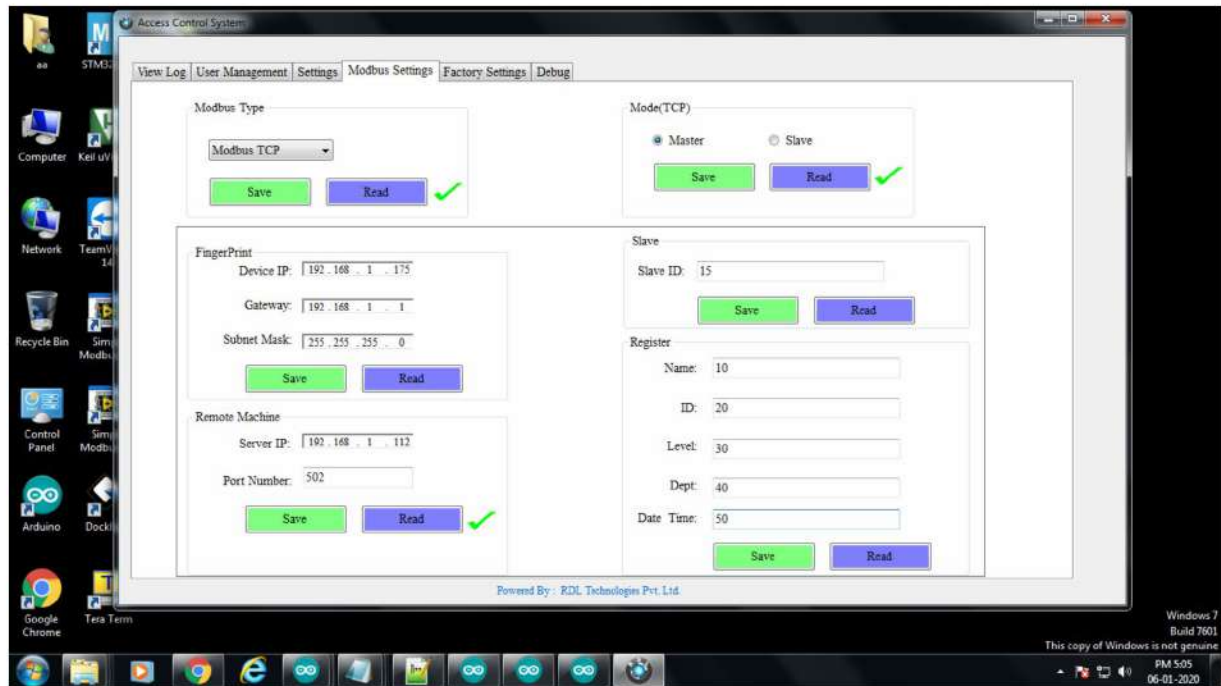
NOTE:

1. All the above Data are hexadecimal values.
2. Function Code 0x03 is for Read Register.

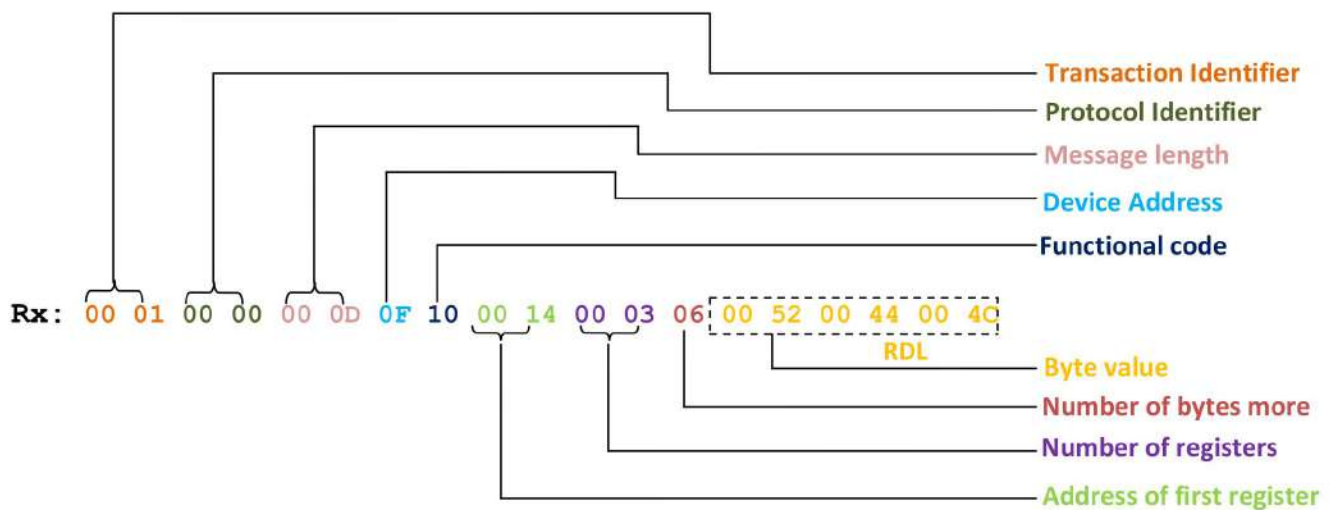


Note:

1. **Hexadecimal = Decimal = 54, 49, 50, 48, 50, 48, 49, 54, 53, 57, 53, 54 ASCII = 612020165956.**
2. All the above Data are hexadecimal values.
3. Function Code 0x03 is for Read Register.

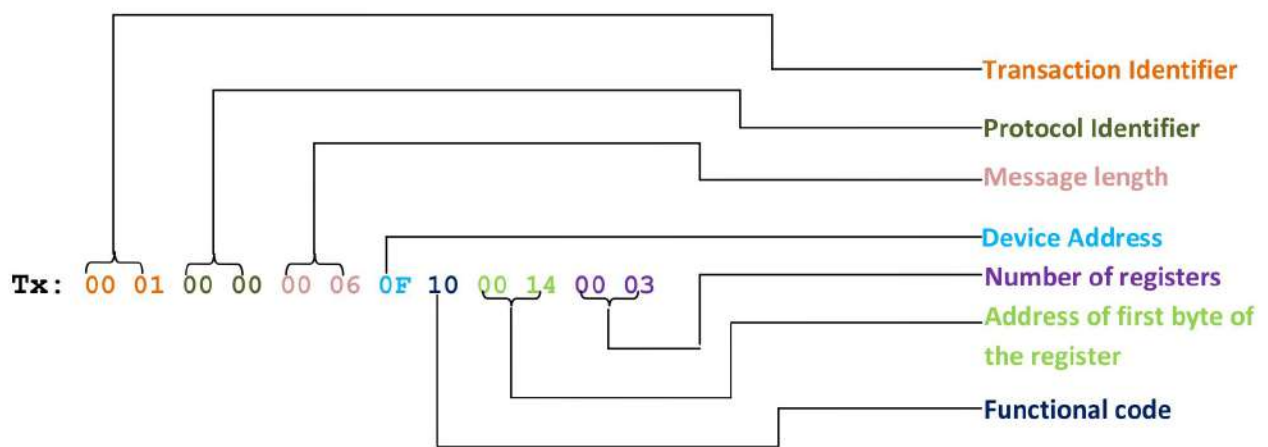


3.5 Modbus TCP data format to transfer ID information (Master):



Note:

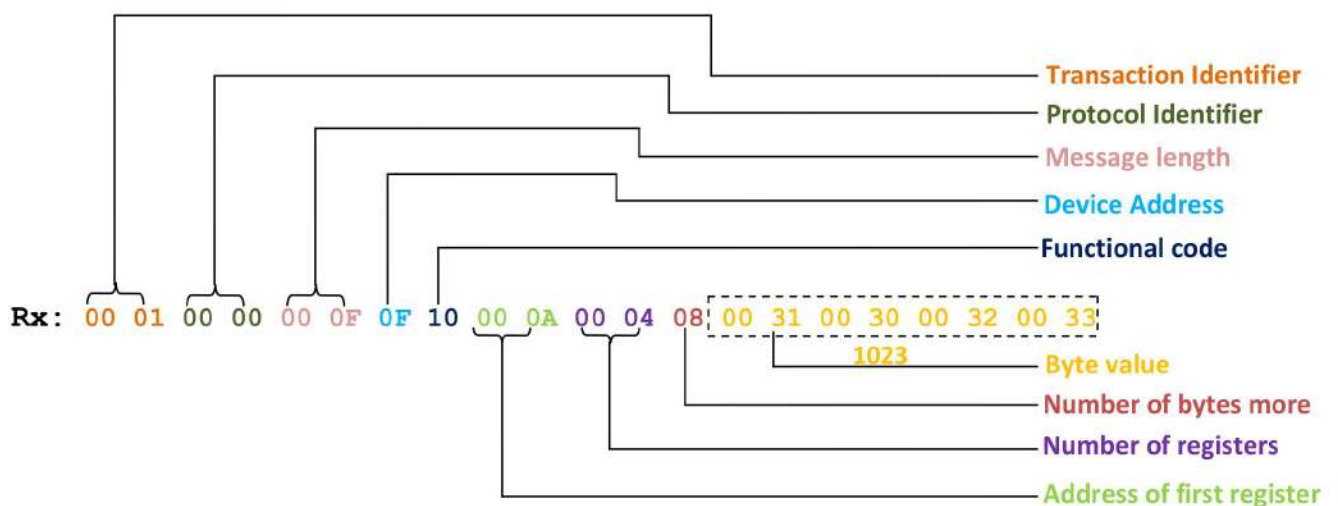
1. Hexadecimal = 00 52 00 44 00 4C Decimal = 82, 68, 76 ASCII = RDL.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

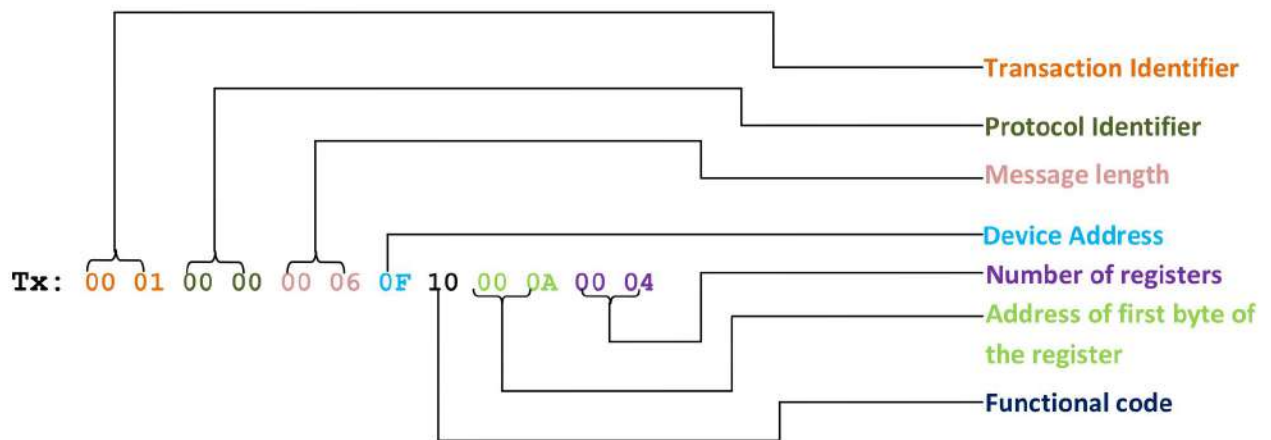
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

3.6 Modbus TCP data format to transfer Name information (Master):



Note:

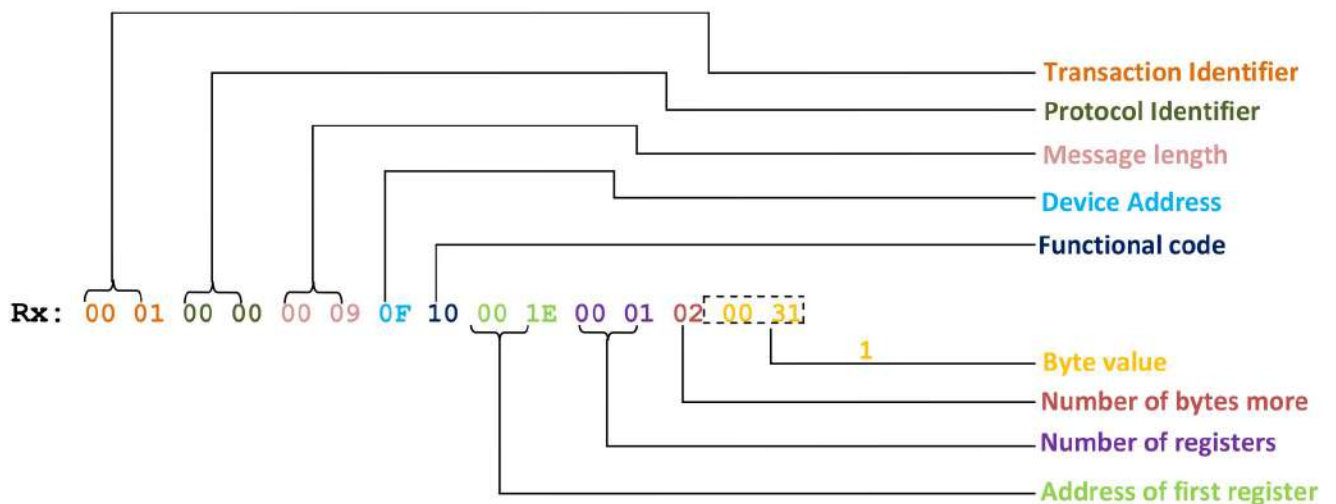
1. **Hexadecimal** = 00 31 00 30 00 32 00 33 **Decimal** = 49, 48, 50, 51 **ASCII** = 1023.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

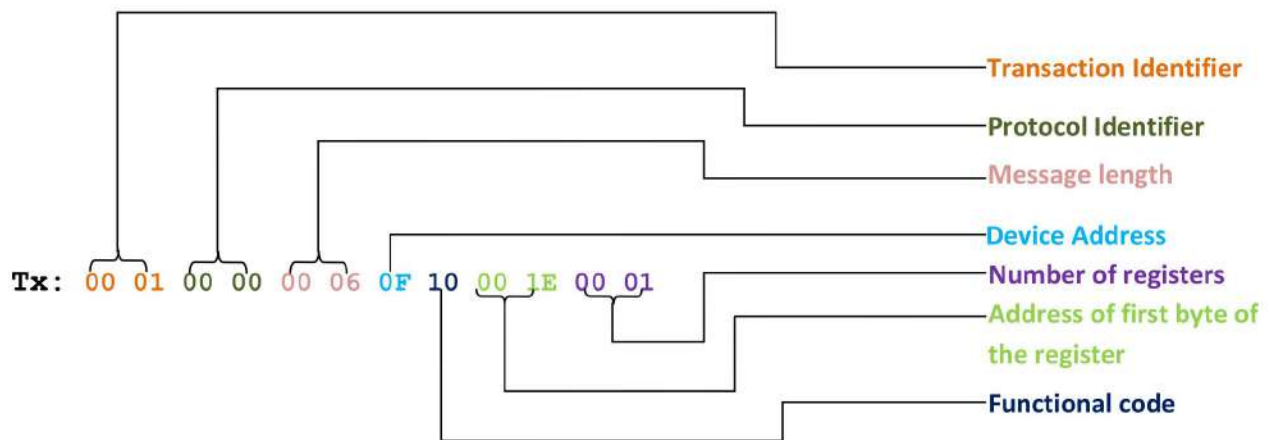
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

3.7 Modbus TCP data format to transfer Date/Time information (Master):



Note:

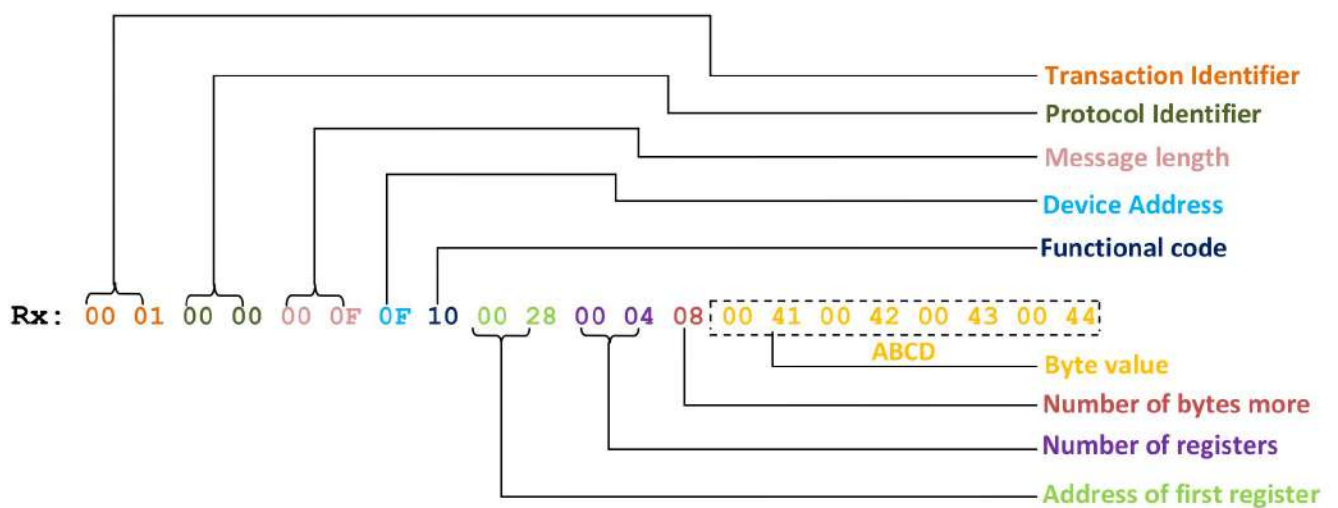
1. Hexadecimal = 00 31 Decimal = 49 ASCII = 1.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

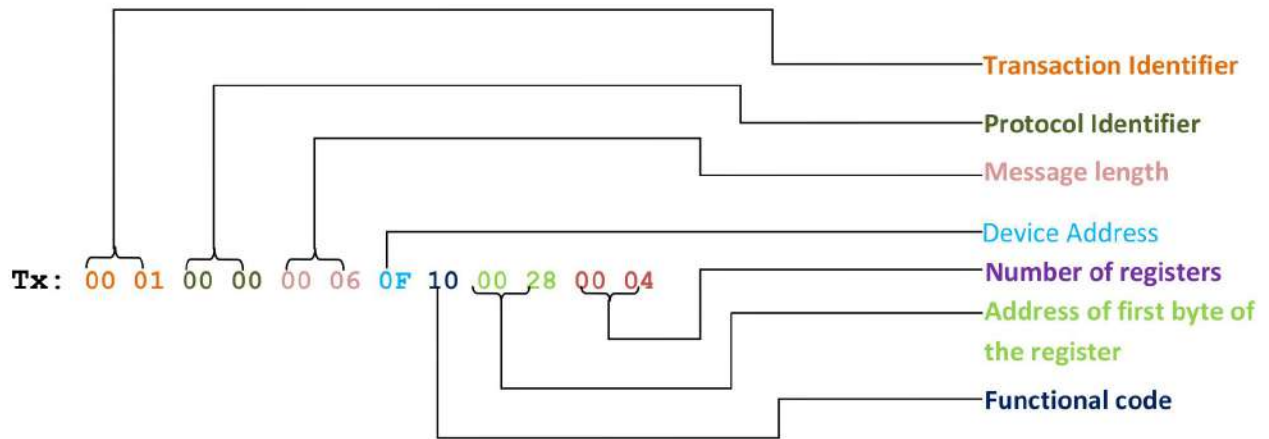
1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

3.8 Modbus TCP data format to transfer Department information (Master):



Note:

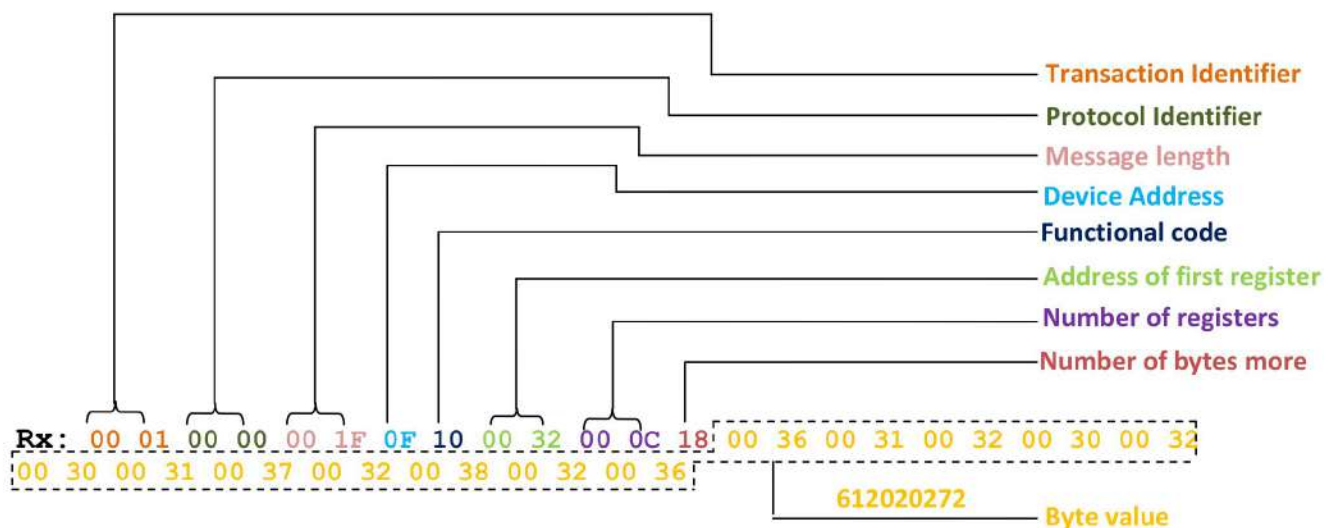
1. **Hexadecimal** = 00 41 00 42 00 43 00 44 **Decimal** = 65, 66, 67, 68 **ASCII** = ABCD.
2. All the above Data are hexadecimal values.
3. Function Code 0x10 is for Multiple Register.



NOTE:

1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

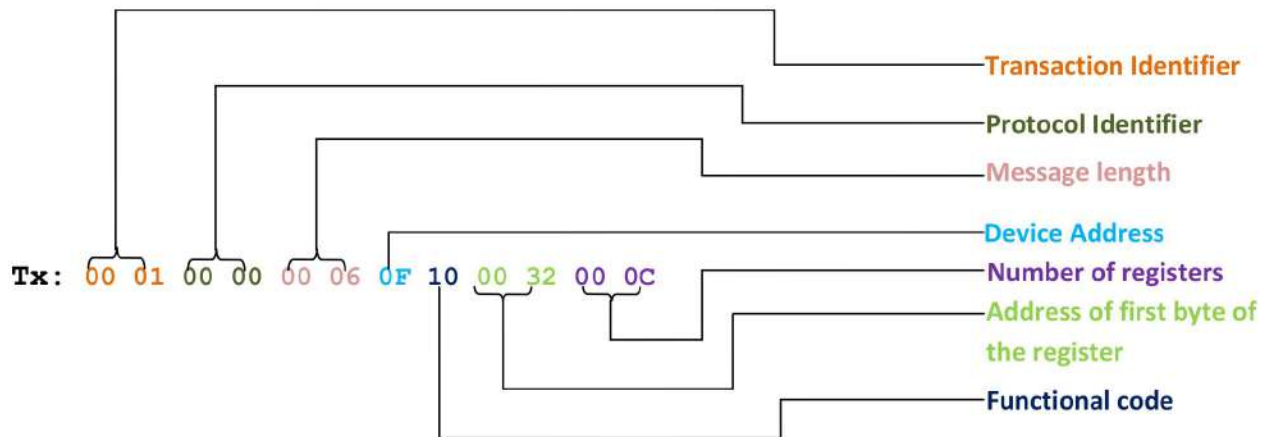
3.9 Modbus TCP data format to transfer Date/Time information (Master):



Note:

1. **Hexadecimal** = 00 36 00 31 00 32 00 30 00 32 00 30 00 31 00 37 00 32 00 38 00 32 00 36 **Decimal** = 54, 49, 50, 48, 50, 48, 50, 55, 50 **ASCII** = 612020272.
2. All the above Data are hexadecimal values.

3. Function Code 0x10 is for Multiple Register.



NOTE:

1. All the above Data are hexadecimal values.
2. Function Code 0x10 is for Multiple Register.

4.OPEN DATA RS485/RS232

