14/12/20

Microcontroller

Program - 1

Q-> Write a program to rotate stepper motor.

```
# include <stdio.h>
# include <reg51.h>
char xdata port_at_0xe803;
char xdata porta_at_0xe800;
char idata acc_at_0x30;
delay() {
  int i;
  for (i=0; i<500; i++) {}
}
void main() {
  port 0x80;
  while (1) {
    acc = 0x11;
    porta = acc;
    delay();
    Acc = 0x22;
    porta = acc;
    delay();
    acc = 0x44;
    porta = acc;
    delay();
    acc = 0x88;
    porta = acc;
    delay(); }}
```

Program - 2

Q-> Write a program to rotate motor in anti dir^n

```
#include <stdio.h>
#include <reg51.h>
char xdata port_at_0x8803;
char xdata porta_at_0x8800;
char idata acc_at_0x30;
delay() { int i;
    for(i=0; i<500; i++) {}
}
void main() {
    port 0x80;
    while(1) {
        acc = 0x88;
        porta = acc;
        delay();
        acc = 0x44;
        porta = acc;
        delay();
        acc = 0x22;
        porta = acc;
        delay();
        acc = 0x11;
        porta = acc;
        delay(); }
}
```