Q. A program to display your name in LED Display.

Syntax:

#include <avr/io.h>

#define F\_CPU 16000000UL

#include <util/delay.h>

#define RS 7

#define E 5

void send\_command(unsigned char command);

void send\_character(unsigned char character);

int main(void)

{

DDRC=0XFF;

DDRD=0XFF;

\_delay\_ms(50);

send\_command(0x01);

send\_command(0X38);

send\_command(0X0E);

send\_character(0X53);

send\_character(0X68);

send\_character(0X61);

send\_character(0X72);

send\_character(0X6D);

send\_character(0x61);

}

void send\_command(unsigned char command)

{

PORTC=command;

PORTD&=~(1<<RS);

PORTD|=(1<<E);

\_delay\_ms(50);

PORTD&=~(1<<E);

PORTC=0;

}

void send\_character(unsigned char character)

{

PORTC=character;

PORTD|=(1<<RS);

PORTD|=(1<<E);

\_delay\_ms(50);

PORTD&=~(1<<E);

PORTC=0;

}