**PROGRAM 7**

#include<lpc214x.h>

void uart\_init(void);

unsigned int delay;

unsigned char \*ptr;

unsigned char arr[]="HELLO WORLD\r";

int main()

{

while(1)

{

uart\_init();

ptr = arr;

while(\*ptr!='\0')

{

U0THR=\*ptr++;

while(!(U0LSR & 0x20)== 0x20);

for(delay=0;delay<=600;delay++);

}

for(delay=0;delay<=60000;delay++);

}

}

void uart\_init(void)

{

PINSEL0=0X0000005; //select TXD0 and RXD0 lines

U0LCR = 0X00000083; //enable baud rate divisor loading and

U0DLM = 0X00; //select the data format

U0DLL = 0x13; //select baud rate 9600 bps

U0LCR = 0X00000003;

}