

```
//Thirumalainambi   Maharaja
//TE-D
//EXP9
//304D074
```

```
#include<p18F4550.h>
#include<stdio.h>
```

```
void InitUART()
{
    TRISCbits.RC6 = 0; //TX pin set as output
    TRISCbits.RC7 = 1; //RX pin set as input

    SPBRG = 77;

    TXSTA = 0b00100000;
    RCSTA = 0b10010000;
}
```

```
void SendChar(unsigned char data)
{
    while(TXIF == 0);
    TXREG = data;
}
```

```
unsigned char GetChar(void)
{
    while(!RCIF);
    return RCREG;
}
```

```
void main(void)
{
    unsigned char key;
    InitUART();
```

```
    while(1)
    {
        key=GetChar();
        SendChar(key);
    }
}
```