Program For UART interfacing with LPC 2148:-

```c
#include<lpc214x.h>
 void UART0_init(void)
 {
 PINSEL0=PINSEL0|0x00000005;
 U0LCR=0x83;
  U0DLM=0x00;
 U0DLL=0x61;
U0LCR=0x03;
}
unsigned char UART0_Rxchar(void)
{
while((U0LSR&0x01)==0);
}
void UART_Txchar(char ch)
{
U0THR=ch;
while((U0LSR&0x40)==0);
}
int main (void)
{
char receive;
UART0_init();
while(1)
{
receive=UART0_Rxchar();
UART_Txchar(receive);
}return 0;}
```