```
void delay(int count)
{
	int j=0,i=0;
	for(j=0;j<count;j++)
		for(i=0;i<35;i++);
}

// send message function
void send(char  *txbuf){

	char echo_off[] = "ATE0\r";
	char line1[]="AT\r";
	char linex[] ="AT+IPR=9600\r";
	char line2[] ="AT+CMGF=1\r";
	char line3[] ="AT+CMGS=\"+6594457943\"\r";
	uint8_t sub = 0x1A;

	printf("a\n");
   printf("anbcdfsdf\n\r");
	UART_SendString(LPC_UART3, (uint8_t *)echo_off);
	delay(100000);
   printf("init2\n");
	UART_SendString(LPC_UART3, (uint8_t *)line1);
	delay(100000);

	UART_SendString(LPC_UART3, (uint8_t *)linex);
	delay(100000);

	UART_SendString(LPC_UART3, (uint8_t *)line2);
	delay(100000);

	UART_SendString(LPC_UART3, (uint8_t *)line3);
	delay(100000);

	UART_SendString(LPC_UART3,(uint8_t *)txbuf);
	delay(100000);

	UART_SendData(LPC_UART3,sub);
	delay(100000);

	printf("send\n");
}

// UART interrupt handler
void UART3_IRQHandler(void){


	int charnum = 0;

	//reply_char=UART_ReceiveData(LPC_UART3);
	UART_Receive(LPC_UART3, &reply_char, 1,NONE_BLOCKING); //receive data store in
reply_char
	printf("reply: %c\n",reply_char);
	if(receive == 1){
		if(reply_char == '\r'){
			reply[charnum] = '\0';
```

```
                        charnum = 0;
                        receive = 0;
                }
                else{
                        reply[charnum] = reply_char;
                        charnum++;
                        printf("%c", reply_char);
                }

        }
        else{
                if(reply_char == '\r'){
                        ReadMsg();
                   reply[charnum]='\0';
                        charnum = 0;
                }
                else{
                        reply[charnum] = reply_char;
                        charnum++;
                        printf("%c", reply_char);
                }
        }
}

int main(void){
        printf("1\n");
        ini_GSM();
        printf("2\n");
        send("hi");
        printf("finish\n");

        return 0;
}
```