GSM gsmAccess;  
GSM\_SMS sms;  
  
void **setup**() {  
  *// initialize serial communications and wait for port to open:*  
  Serial.begin(9600);  
  while (!Serial) {  
    ; *// wait for serial port to connect. Needed for native USB port only*  
  }  
  
  Serial.println("SMS Messages Sender");  
  
  *// connection state*  
  boolean notConnected = true;  
  
  *// Start GSM shield*  
  *// If your SIM has PIN, pass it as a parameter of begin() in quotes*  
  while (notConnected) {  
    if (gsmAccess.begin(PINNUMBER) == GSM\_READY) {  
      notConnected = false;  
    } else {  
      Serial.println("Not connected");  
      delay(1000);  
    }  
  }  
  
  Serial.println("GSM initialized");  
}  
  
void **loop**() {  
  
  Serial.print("Enter a mobile number: ");  
  char remoteNum[20];  *// telephone number to send sms*  
  readSerial(remoteNum);  
  Serial.println(remoteNum);  
  
  *// sms text*  
  Serial.print("Now, enter SMS content: ");  
  char txtMsg[200];  
  readSerial(txtMsg);  
  Serial.println("SENDING");  
  Serial.println();  
  Serial.println("Message:");  
  Serial.println(txtMsg);  
  
  *// send the message*  
  sms.beginSMS(remoteNum);  
  sms.print(txtMsg);  
  sms.endSMS();  
  Serial.println("**\n**COMPLETE!**\n**");  
}  
  
*/\*  
  Read input serial  
 \*/*  
int readSerial(char result[]) {  
  int i = 0;  
  while (1) {  
    while (Serial.available() > 0) {  
      char inChar = Serial.read();  
      if (inChar == '**\n**') {  
        result[i] = '**\0**';  
        Serial.flush();  
        return 0;  
      }  
      if (inChar != '**\r**') {  
        result[i] = inChar;  
        i++;  
      }  
    }  
  }  
}

#include <SoftwareSerial.h>

SoftwareSerial mySerial(9, 10);

void setup()

{

  mySerial.begin(9600);   // Setting the baud rate of GSM Module

  Serial.begin(9600);    // Setting the baud rate of Serial Monitor (Arduino)

  delay(100);

}

void loop()

{

  if (Serial.available()>0)

   switch(Serial.read())

  {

    case 's':

      SendMessage();

      break;

    case 'r':

      RecieveMessage();

      break;

  }

 if (mySerial.available()>0)

   Serial.write(mySerial.read());

}

 void SendMessage()

{

  mySerial.println("AT+CMGF=1");    //Sets the GSM Module in Text Mode

  delay(1000);  // Delay of 1000 milli seconds or 1 second

  mySerial.println("AT+CMGS=\"+91xxxxxxxxxx\"\r"); // Replace x with mobile number

  delay(1000);

  mySerial.println("I am SMS from GSM Module");// The SMS text you want to send

  delay(100);

   mySerial.println((char)26);// ASCII code of CTRL+Z

  delay(1000);

}

 void RecieveMessage()

{

  mySerial.println("AT+CNMI=2,2,0,0,0"); // AT Command to receive a live SMS

  delay(1000);

 }

void setup()

{

Serial.begin(9600);

}

void loop()

{

delay(1200);

Serial.print("AT");

delay(1200);

bool bOK = false;

while (Serial.available() > 0)

{

char inChar = (char)Serial.read();

bOK = true;

}

if(bOK)

{

index = 0;

Serial.println();

Serial.println("AT+CMGF=1"); // sets the SMS mode to text

delay(100);

delay(1200);

bool bOK = false;

while (Serial.available() > 0) {

//Serial.write(Serial.read());

char inChar = (char)Serial.read();

bOK = true;

}

if(bOK)

{

Serial.println();

Serial.print("AT+CMGS=""); // send the SMS number

Serial.print("+923004772379");

Serial.println(""");

delay(1000);

Serial.print("A new post is created by Zain."); // SMS body

delay(500);

Serial.write(0x1A);

Serial.write(0x0D);

Serial.write(0x0A);

}

}

}