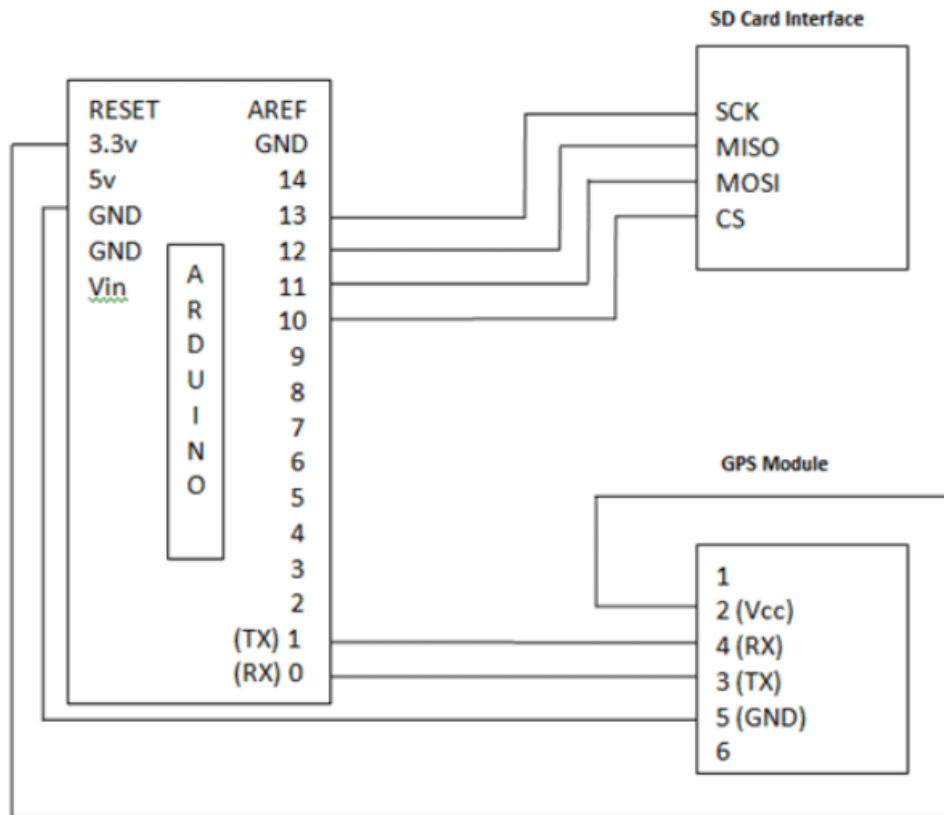


### 3.GPS MODULE:-



### CODE:-

```
#include <LiquidCrystal.h>

#include <SoftwareSerial.h>

#include <TinyGPS.h>

//long   lat,lon;

float lat = 28.5458,lon = 77.1703;

SoftwareSerial gpsSerial(3,4);

LiquidCrystal lcd(A0,A1,A2,A3,A4,A5);

TinyGPS gps;
```

```
void setup(){

  Serial.begin(9600);

  //Serial.println("The GPS Received Signal:");

  gpsSerial.begin(9600);

  lcd.begin(16,2);

}

void loop(){

  while(gpsSerial.available()){

    if(gps.encode(gpsSerial.read()))

    {

      gps.f_get_position(&lat,&lon);

      lcd.clear();

      lcd.setCursor(1,0);

      lcd.print("GPS Signal");

      //Serial.print("Position: ");

      //Serial.print("Latitude:");

      //Serial.print(lat,6);

      //Serial.print(";");

      //Serial.print("Longitude:");

      //Serial.println(lon,6);
```

```
    lcd.setCursor(1,0);

    lcd.print("LAT:");

    lcd.setCursor(5,0);

    lcd.print(lat);

    //Serial.print(lat);

    //Serial.print(" ");


    lcd.setCursor(0,1);

    lcd.print(",LON:");

    lcd.setCursor(5,1);

    lcd.print(lon);


}

}


String latitude = String(lat,6);

    String longitude = String(lon,6);

Serial.println(latitude+" "+longitude);

delay(1000);

)
```