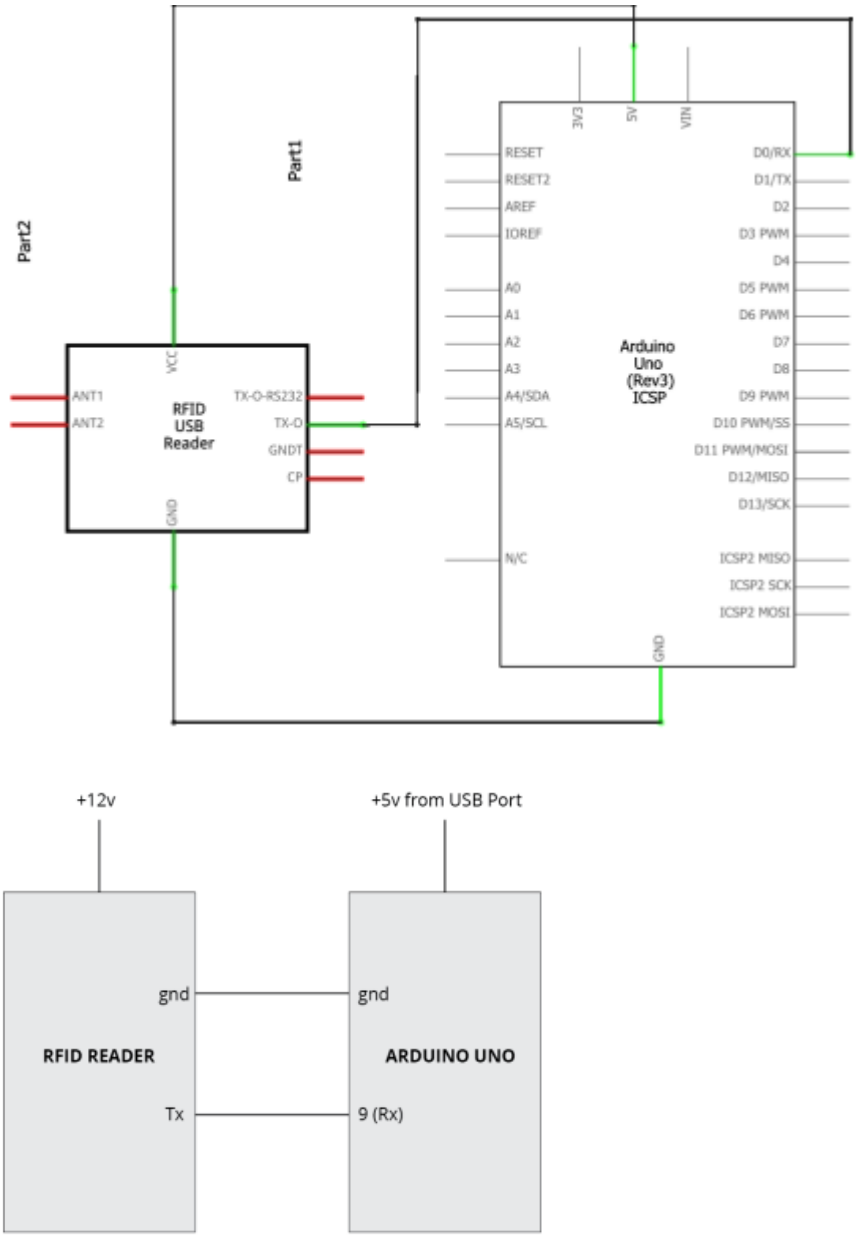
1. RFID TAG



Interfacing RFID Reader to Arduino

CODE FOR INTERFACING:-

1. FOR ONE TAG

```
#include
<SoftwareSerial.h>
SoftwareSerial
mySerial(9, 10);

void setup()

{

  mySerial.begin(9600); // Setting the baud rate of Software Serial Library

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

 }

void loop()

{

 if(mySerial.available()>0)

  {

  Serial.write(mySerial.read());

  }

}
```

2. FOR MULTIPLE TAGS:-

```
#include<SoftwareSerial.h>
```

```
SoftwareSerial
mySerial(9,10);
int
read_count=0,ta
g_count=0;
int j=0,k=0; // Variables to
iterate in for loops char
data_temp, RFID_data[12],
data_store[10][12]; boolean
disp_control;

void setup()
{
mySerial.begin(
9600);
Serial.begin(960
0);

}
void loop()
{
 ReceiveData();
 StoreData();
 PrintData();
 }
void RecieveData()
{
if(mySerial.available()>0)
```

```
{
data_temp=mySerial
.read();
RFID_data[read_co
unt]=data_temp;
read_count++;

}

}
void StoreData()
{
if(read_count==12)
{
disp_control=true;
for(k=tag_count;k<=tag_count;
k++)

{

for(j=0;j<12;j++)
{
data_store[k][j]=RFID_data[j];
}
}
read_cou
nt=0;
tag_count
++;
```

```
}
}


void PrintData()
{
if(disp_control==true)
{
  for(k=0;k<=tag_count;k++)
{
          for(j=0;j<12;j++)
  {
          Serial.write(data_store[k][j]);
  }
  Serial.println();
}
disp_control=false;
}
}
```