

Sans titre

```
#####  
## Modified code to work with Arduino 1.0.1 / ##  
## Credits to Petushka, http://www.instructables.com/member/Petushka/ ##  
## ##  
#####  
  
#include <SoftwareSerial.h>  
  
#define ADD_TAG_CODE "210014DFE309" //change this ID with your own card TAG  
#define DEL_TAG_CODE "210014E2BD6A" //change this ID with your own card TAG  
  
SoftwareSerial rfid = SoftwareSerial(5, 6);  
  
String msg;  
  
String ID ; //string to store allowed cards  
  
void setup()  
{  
  Serial.begin(9600);  
  Serial.println("Serial Ready");  
  
  rfid.begin(9600);  
  Serial.println("RFID Ready");  
}  
  
char c;
```

```
void loop(){

  while(rfid.available(>0){

    c=rfid.read();

    msg += c;

    Serial.println(msg);

    Serial.println(msg.length());

  }

  msg=msg.substring(1,13);

  if(msg.indexOf(ADD_TAG_CODE)>=0) add();

  else if(msg.indexOf(DEL_TAG_CODE)>=0) del();

  else if(msg.length(>10) verifica();

  msg="";

}

void add(){

  Serial.print("What TAG do you wanna grant access?: ");

  msg="";

  while(msg.length(<13){

    while(rfid.available(>0){

      c=rfid.read();

      msg += c;

    }

  }

  if(ID.indexOf(msg)>=0) {
```

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```
Serial.println("\nAccess already granted for this card.");

msg="";

}

else{

    Serial.print("Card: ");

    Serial.println(msg);

    ID += msg;

    ID += ",";

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

    // Serial.println(ID);

    msg="";

    Serial.println("Access granted for this card.");

}

}

void del(){

    msg="";

    Serial.print("What TAG do you wanna deny access?: ");

    while(msg.length()<13){

        while(rfid.available()>0){

            c=rfid.read();

            msg += c;

        }

    }

    msg=msg.substring(1,13);
```

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```
if(ID.indexOf(msg)>=0){
    Serial.println(msg);
    Serial.println("TAG found. Access for this card denied.");
    //ID.replace(card,"");
    int pos=ID.indexOf(msg);
    msg="";
    msg += ID.substring(0,pos);
    msg += ID.substring(pos+15,ID.length());
    ID="";
    ID += msg;
    //Serial.print("ID: ");
    //Serial.println(ID);
} else Serial.println("\nTAG not found or already denied");
msg="";
}

void verifica(){
    msg=msg.substring(1,13);
    if(ID.indexOf(msg)>=0) Serial.println("Access granted.");

    else Serial.println("Access denied.");
}
```