```
#include <SPI.h>
#include <MFRC522.h>
#include <Servo.h>


#define SS_PIN 10
#define RST_PIN 9

#define SERVO_PIN 3
Servo myservo;

#define ACCESS_DELAY 2000
#define DENIED_DELAY 1000
MFRC522 mfrc522(SS_PIN, RST_PIN);   // Create MFRC522 instance.

void setup()
{
  Serial.begin(9600);   // Initiate a serial communication
  SPI.begin();          // Initiate  SPI bus
  mfrc522.PCD_Init();   // Initiate MFRC522

  myservo.attach(SERVO_PIN);
  myservo.write( 70 );
  delay(7500);
  myservo.write( 0 );
  Serial.println("Put your card to the reader...");
  Serial.println();

}
void loop()
{
  // Look for new cards
  if ( ! mfrc522.PICC_IsNewCardPresent())
  {
    return;
  }
  // Select one of the cards
  if ( ! mfrc522.PICC_ReadCardSerial())
  {
    return;
  }
  //Show UID on serial monitor
  Serial.print("UID tag :");
```

```
 String content= "";
 byte letter;
 for (byte i = 0; i < mfrc522.uid.size; i++)
 {
    Serial.print(mfrc522.uid.uidByte[i] < 0x10 ? " 0" : " ");
    Serial.print(mfrc522.uid.uidByte[i], HEX);
    content.concat(String(mfrc522.uid.uidByte[i] < 0x10 ? " 0" : " "));
    content.concat(String(mfrc522.uid.uidByte[i], HEX));
 }
 Serial.println();
 Serial.print("Message : ");
 content.toUpperCase();
 if (content.substring(1) == "69 C8 E2 2A") //change here the UID of the card
 {
   Serial.println("Authorized access");
   Serial.println();
  myservo.write( 70 );
delay(7500);
 myservo.write( 0 );

 }

 else   {
   Serial.println(" Access denied");


   delay(DENIED_DELAY);


 }
}
```