

28.1 listing

```
// kutubxonalarni ulash
#include<SPI.h>
#include<MFRC522.h>
// SS va RST ulanish nuqtalarini ulash konstantalari
#define RST_PIN 9
#define SS_PIN 10
// MFRC522 initsializatsiyalash
MFRC522 mfrc522(SS_PIN, RST_PIN); // Create MFRC522 instance.
void setup()
{
  Serial.begin(9600); // ketma-ket portni initsializatsiyalash
  SPI.begin(); // SPI initsializatsiyalash
  mfrc522.PCD_Init(); // MFRC522 initsializatsiyalash
}
void loop()
{
  if ( ! mfrc522.PICC_IsNewCardPresent())
    return;
  // kartani o'qish
  if ( ! mfrc522.PICC_ReadCardSerial())
    return;
  // UID va belgi turini o'qilgan natijasini ko'rsatish
  Serial.print(F("Card UID:"));
  dump_byte_array(mfrc522.uid.uidByte, mfrc522.uid.size);
  Serial.println();
  Serial.print(F("PICC type: "));
  byte piccType = mfrc522.PICC_GetType(mfrc522.uid.sak);
  Serial.println(mfrc522.PICC_GetTypeName(piccType));
  delay(2000);
}
// O'qilgan axborotlar natijasini NEX- ko'rinishda chiqarish
void dump_byte_array(byte *buffer, byte bufferSize)
{
  for (byte i = 0; i < bufferSize; i++)
  {
    Serial.print(buffer[i] < 0x10 ? "0": " ");
    Serial.print(buffer[i], HEX);
  }
}
```