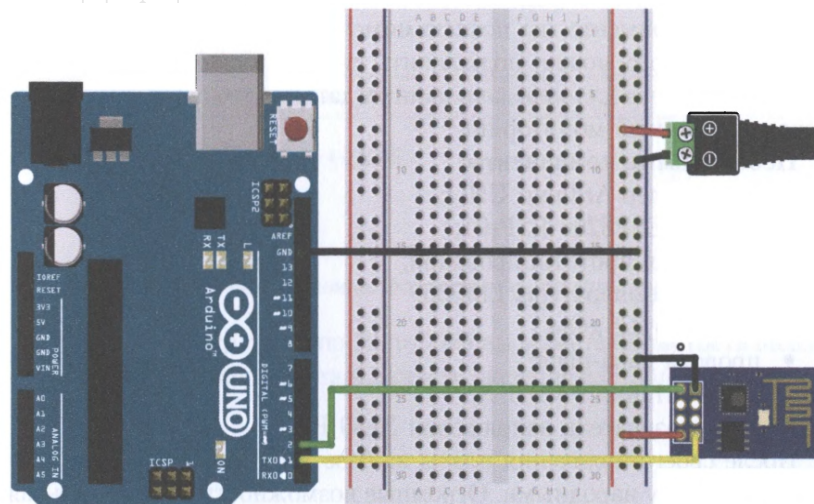


amalga oshiriladi. Asosiy AT-buyruqlarning ro'yxati 30.1 jadvalda berilgan. Arduino platasiga 30.1 listingda ko'rsatilgan sketch yuklanadi va ESP-01 moduliga AT-buyruqlari jo'natiladi. Buyruqlarning bajarilish natijasi 30.3 chizmada keltirilgan.



30.2 chizma. ESP-01 modulni Arduinoga ulanish sxemasi

30.1 listing

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

```
SoftwareSerial mySerial(2, 3); // rx va tx pinlarni ko'rsatiladi
```

```
void setup()
```

```
{
```

```
  pinMode(2, INPUT);
```

```
  pinMode(3, OUTPUT);
```

```
  Serial.begin(9600);
```

```
  mySerial.begin(9600);
```

```
}
```

```
void loop()
```

```
{
```

```
  if (mySerial.available())
```

```
  {
```

```
    int s = mySerial.read(); // software-portdan o'qiladi
```

```
    Serial.write(s); // hardware-portga yoziladi
```

```
  }
```

```
  if (Serial.available())
```

```
  {
```

```
    int s = Serial.read(); // hardware-portdan o'qiladi
```

```
    mySerial.write(c); // software-portga yoziladi
```

```
  }
```

```
}
```