

Experiment 4

Name: Praduman Kumar

UID: 20BCS9446

Section/Group: DM 714-A

Subject: IOT

Semester: 6th

Date of Performance: 09/03/2023

1. Aim:

Program to interface the Arduino/Raspberry Pi with LED and blinking application.

2. Objective:

To Perform blinking of light application using Arduino uno.

3. Code:

```
void setup() {  
    pinMode(13, OUTPUT); // pin 13 - change value if you have LED on diff pin  
}  
  
void loop() {  
    digitalWrite(13, HIGH); // set pin 13 to high voltage, turning LED on  
    delay(1000);           // wait 1000 milliseconds, or one second.  
    digitalWrite(13, LOW); // set pin 13 to low voltage, or zero. LED off.  
    delay(1000);           //wait one second before starting the loop again.  
}
```

4. Screenshots:

```
1  
2  
3 - void setup() {  
4   pinMode(13, OUTPUT); // pin 13 - change value if you have LED on diff pin  
5 }  
6  
7 - void loop() {  
8   digitalWrite(13, HIGH); // set pin 13 to high voltage, turning LED on  
9   delay(1000);           // wait 1000 milliseconds, or one second.  
10  digitalWrite(13, LOW);  // set pin 13 to low voltage, or zero. LED off.  
11  delay(1000);           // wait one second before starting the loop again.  
12 }  
13  
14
```



