

Assignment-3

Python Programming

Assignment Date	06 October 2022
Student Name	Mr.K.Vignesh
Student Roll Number	AC19UCS135
Maximum Marks	2 Marks

1. Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

SOLUTION:

```
#define RED 1
```

```
#define YELLOW 5
```

```
#define GREEN 9
```

```
void setup() {  
    pinMode(RED, OUTPUT);  
    pinMode(YELLOW, OUTPUT);  
    pinMode(GREEN, OUTPUT);  
}
```

```
void loop() {  
    digitalWrite(RED, LOW);  
    digitalWrite(GREEN, HIGH);  
    delay(3000);
```

```
digitalWrite(GREEN, LOW);  
digitalWrite(YELLOW, HIGH);  
delay(2000);
```

```
digitalWrite(YELLOW, LOW);  
digitalWrite(RED, HIGH);  
delay(1000);
```

```
}
```

```
1  #define RED 1  
2  #define YELLOW 5  
3  #define GREEN 9  
4  
5  void setup() {  
6      pinMode(RED, OUTPUT);  
7      pinMode(YELLOW, OUTPUT);  
8      pinMode(GREEN, OUTPUT);  
9  }  
10  
11 void loop() {  
12     digitalWrite(RED, LOW);  
13     digitalWrite(GREEN, HIGH);  
14     delay(3000);  
15  
16     digitalWrite(GREEN, LOW);  
17     digitalWrite(YELLOW, HIGH);  
18     delay(2000);  
19  
20     digitalWrite(YELLOW, LOW);  
21     digitalWrite(RED, HIGH);  
22     delay(1000);  
23  
24 }
```



