

Ideation Phase

Define the Problem Statements

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 }
```

