Assignment -3

Python Programming

Assignment Date	06 October 2022
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Maximum Marks	2 Marks

Question-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 :

```
while True:

  try:

    x = input("Enter value: ")

    stop_light = int(x)

  except ValueError:

    print("Try Again")

  else:

    break


while stop_light <= 30:

  if stop_light >= 1 and stop_light < 10:

    print('Green light') elif

  stop_light < 20:

    print('Yellow light')

  elif stop_light < 30:
```

print("Red light")

    stop_light += 1

```python
1 ▼ while True:
2 ▼     try:
3             x = input("Enter value: ")
4             stop_light = int(x)
5 ▼     except ValueError:
6             print("Try Again")
7 ▼     else:
8             break
9
10 ▼ while stop_light <= 30:
11 ▼     if stop_light >= 1 and stop_light < 10:
12             print('Green light')
13 ▼     elif stop_light < 20:
14             print('Yellow light')
15 ▼     elif stop_light < 30:
16             print("Red light")
17     stop_light += 1
```

Output:
```
Enter value: 20
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
>
```