

ASSIGNMENT 3

PYTHON PROGRAMMING

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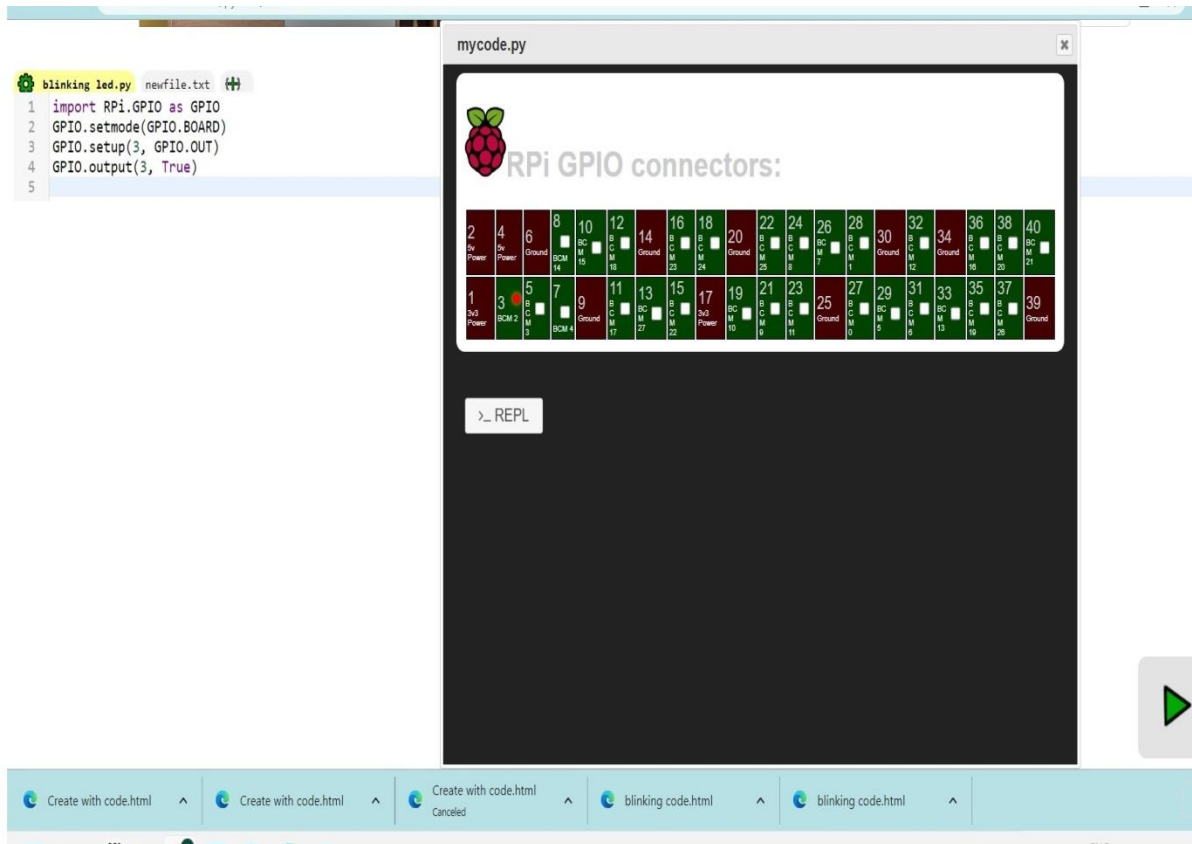
Question1:

Write a python code for blinking LED using Raspberry pi.

Program Code:

```
Import RPi.GPIO as GPIO  
GPIO.setmode(GPIO.BOARD)  
GPIO.setup(3,GPIO.OUTPUT  
GPIO.output(3, True)
```

Output:



Question2:

Write a python code for Traffic Lights using Raspberrry pi.

Program Code:

```
from gpiozero import LED
```

```
from time import sleep
```

```
green=LED(8)
```

```
blue=LED(13)
```

```
red=LED(12)
```

```
while True:
```

```
    green.off()
```

```
    red.off()
```

```
    blue.off()
```

```
    sleep(1)
```

```
    green.on()
```

```
    sleep(1)
```

```
    red.off()
```

```
    blue.on()
```

```
    sleep(1)
```

Output:

