

ASSIGNMENT - 3

PYTHON PROGRAMMING

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| ASSIGNMENT | PYTHON PROGRAMMING |
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| MAXIMUM MARK | 2 MARK |

Traffic light for raspberry pi stimulating in python....

```
import turtle
import time
wn= turtle.getscreen()
wn.title("-----Stoplight-----")
wn.bgcolor("black")
```

```
#gui interface
pen= turtle.Turtle()
pen.color("Yellow")
pen.width(4)
pen.hideturtle()
pen.penup()
pen.goto(-30, 60)
pen.pendown()
pen.fd(60)
pen.rt(90)
pen.fd(120)
pen.rt(90)
pen.fd(60)
pen.rt(90)
pen.fd(120)
```

```
#red light
red_light=turtle.Turtle()
red_light.shape("circle")
red_light.color("grey")
red_light.penup()
red_light.goto(0, 40)
```

```
#Yellow light
yellow_light=turtle.Turtle()
yellow_light.shape("circle")
yellow_light.color("grey")
yellow_light.penup()
yellow_light.goto(0, 0)
```

```
#Green light
green_light=turtle.Turtle()
green_light.shape("circle")
```

```
green_light.color("grey")
green_light.penup()
green_light.goto(0, -40)
```

```
while True:
    yellow_light.color("grey")
    red_light.color("red")
    print("Red light Blinked - Now vehicle Stop behind
    zebra cross..")
    print("Blink!!")
    time.sleep(2)
    print("Blink!!")
```

```
red_light.color("grey")
green_light.color("green")
print("Green light on- Now vehicle can go..")
print("Blink!!")
time.sleep(3)
print("Blink!!")
```

```
green_light.color("grey")
yellow_light.color("yellow")
print("Yellow light Blinked- Now vehicle Ready to
go..")
print("Blink!!")
time.sleep(1)
print("Blink!!")
```

OUTPUT:



