

Question One. 20 points. Use Python's online webbrowser module documentation to write a short program that opens <https://www.google.com> in a browser window.

Question Two. 30 points. The Body Mass Index (BMI) of a person is calculated by dividing weight (in kilograms) by the square of the height (in meters). For example, a person with a weight of 68 kilograms and a height of 1.65 meters has a BMI that is approximately 24.98.

Complete the program below as concisely as possible using the appropriate if construct. The program should print **underweight** if the person's BMI is below 18.5, **normal** if the BMI is at least 18.5 but less than 25.0, **overweight** if the BMI is at least 25.0 but less than 30.0 and **obese** otherwise.

```
weight = float(input("Enter your weight in kilograms"))  
height = float(input("Enter your height in meters"))
```

Question Three. 50 points. Supply the missing function such when the following Python program runs, it draws two red diamonds with black outlines. The first diamond's highest point is (0, 0) and has sides of length 200 pixels. The second diamond's highest point is (100, -200) and has sides of length 50 pixels.

```
import turtle
```

```
# The missing function goes here but write it below
```

```
my_turtle = turtle.Turtle()
my_turtle.hideturtle()
my_turtle.width(5)
draw_diamond(my_turtle, 0, 0, 200)
draw_diamond(my_turtle, 100, -200, 50)
```

