Fall 2019-2020

CMPE 100: Introduction to Computing

Worksheet04

1. Write a function named **fromCeltoFahr** that takes Celsius degree as parameter and convert it to Fahrenheit degree.

   Contract: number (Celsius degree) $\rightarrow$ number (Fahrenheit degree)

2. Write a function named **areaOfRect** that takes two integers as parameters. One represents width of rectangle, other represents height of it. You should calculate the area of a rectangle.

   Contract: number(width) number(height) $\rightarrow$ number (area of rectangle)

3. Write a function named **drawRect** that takes two integers as parameters. One represents width of rectangle, other represents height of it. You should draw a rectangle with given width and height.

   Contract: number(width) number(height) $\rightarrow$ image (rectangle)

4. Write a function named **calculateBMI** that takes weight and height as parameters. Firstly, you should calculate the Body Mass Index (BMI).

   Contract: number(weight) number (height) $\rightarrow$ number (BMI)

5. Animate one moving image goes diagonal. Images should be craeted by yourself.

   Note: Ensure that your programs are fully documented, using comments.