

Istanbul Bilgi University

Department of Computer Engineering

Fall 2021-2022

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 created by yourself.

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