**Python for Data Science and Analytics Course**

**Homework 1**

**Exercise 1: Write a program that uses input to prompt a user for their**

**name and then welcomes them.**

Enter your name: …….

Hello …...

**Exercise 2: Write a program to prompt the user for hours and rate per**

**hour to compute gross pay.**

Enter Hours: 35

Enter Rate: 2.75

Pay: 96.25

You can play with the built-in Python round function to properly round the resulting pay to two decimal places.

**Exercise 3: Assume that we execute the following assignment statements:**

width = 17

height = 12.0

**For each of the following expressions, write the value of the expression and the**

**type (of the value of the expression).**

1. width//2

2. width/2.0

3. height/3

4. 1 + 2 \* 5

Use the Python interpreter to check your answers.

**Exercise 4: Write a program which prompts the user for a Celsius temperature, convert the temperature to Fahrenheit, and print out the converted temperature.**