**Python for Data Science and Machine Learning Course**

**Homework 2**

**Topic: Python Conditionals**

**Exercise 1: Write a pay computation program to give the employee 1.5 times the hourly rate for hours worked above 40 hours.**

Enter Hours: 45

Enter Rate: 10

Pay: 475.0

**Exercise 2: Write a program to prompt for a score between 0.0 and 1.0. If the score is out of range, print an error message. If the score is between 0.0 and 1.0, print a grade using the following table:**

|  |  |
| --- | --- |
| Range | Grade |
| **>= 0.9** | **A** |
| **>= 0.8** | **B** |
| **>= 0.7** | **C** |
| **>= 0.6** | **D** |
| **< 0.6** | **F** |

**Sample run:**

Enter score: 0.95

A

Enter score: perfect

Bad score

Enter score: 10.0

Bad score

Enter score: 0.75

C

Enter score: 0.5

F

**Run the program repeatedly as shown above to test the various different values for**

**input.**