# “GBoolean and Conditional Statements Activity

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:

Score Grade

>= 0.9 A

>= 0.8 B

>= 0.7 C

>= 0.6 D

< 0.6 F

Enter Score: 0.95 Grade: A

Enter Score: perfect Bad Score

Enter Score: 10.0 Bad Score

Enter Score: 0.75 Grade: C

Enter Score: 0.5 Grade: F

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

﻿# Boolean Activiti

#score = float(score)

def test\_score(value):

try:

score = float(value)

if score >= 0.9 and score < 10.0: grade = "A"

elif score >= 0.8 and score < 0.9: grade = "B"

elif score >= 0.7 and score < 0.8: grade = "C"

elif score >= 0.6 and score < 0.7: grade = "D"

elif score < 0.6: grade = "F"

else: grade = "Bad Score"

except:

grade = "Bad Score"

return grade

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Console output:

﻿Python 3.7.0 (default, Jun 28 2018, 07:39:16)

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IPython 7.8.0 -- An enhanced Interactive Python.

def test\_score(value):

try:

score = float(value)

if score >= 0.9 and score < 10.0: grade = "A"

elif score >= 0.8 and score < 0.9: grade = "B"

elif score >= 0.7 and score < 0.8: grade = "C"

elif score >= 0.6 and score < 0.7: grade = "D"

elif score < 0.6: grade = "F"

else: grade = "Bad Score"

except:

grade = "Bad Score"

return grade

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Enter Score: 0.95

Grade: A

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Enter Score: perfect

Grade: Bad Score

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Enter Score: 10.0

Grade: Bad Score

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Enter Score: 0.75

Grade: C

score = input("Enter Score: ")

print("Grade: " + str(test\_score(score)))

Enter Score: 0.5

Grade: F

# Please combine files in a single text file for submission; include both code and responses.