Boolean 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.

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

Answer:

grade = input("Please enter Score of Student between 0.0 and 1.0 : ")

#convert grade

try:

    fltGrade = float(grade)

except:

    print("Bad Score")

    quit()

gradeLetter = None

#check if grade is bigger that 1.0 or less that 0.0

if fltGrade > 1.0 or fltGrade < 0.0:

    print("Bad Score")

elif fltGrade >= 0.9:

    gradeLetter = "A"

elif fltGrade >= 0.8:

    gradeLetter = "B"

elif fltGrade >= 0.7:

    gradeLetter = "C"

elif fltGrade >= 0.6:

    gradeLetter = "D"

else:

    gradeLetter = "F"

print("Grade:", gradeLetter)

## Output

# Please enter Score of Student between 0.0 and 1.0 : .95

# Grade: A

# Please enter Score of Student between 0.0 and 1.0 : perfect

# Bad Score

# Please enter Score of Student between 0.0 and 1.0 : 10.0

# Bad Score

# Please enter Score of Student between 0.0 and 1.0 : .75

# Grade: C

# Please enter Score of Student between 0.0 and 1.0 : .5

# Grade: F