

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.

Solution Program Code:

```
>>>grade1 = input('Enter Score: ')
>>>if grade1 >= 0.9 and grade1<=1.0:
>>>    print('Grade: A')
>>>elif grade1 >=0.8 and grade1<0.9:
>>>    print('Grade: B')
>>>elif grade1 >=0.7 and grade1<0.8:
>>>    print('Grade: C')
>>>elif grade1 >=0.6 and grade1<0.7:
>>>    print('Grade: D')
```

```
>>>elif grade1<0.6:  
>>>    print('Grade: F')  
>>>else:  
>>>    print('Bad Score')  
>>>
```

Your results may vary based on the scores you entered; just compare your code to the code given and make sure that you received the proper letter grade for the scores you entered.