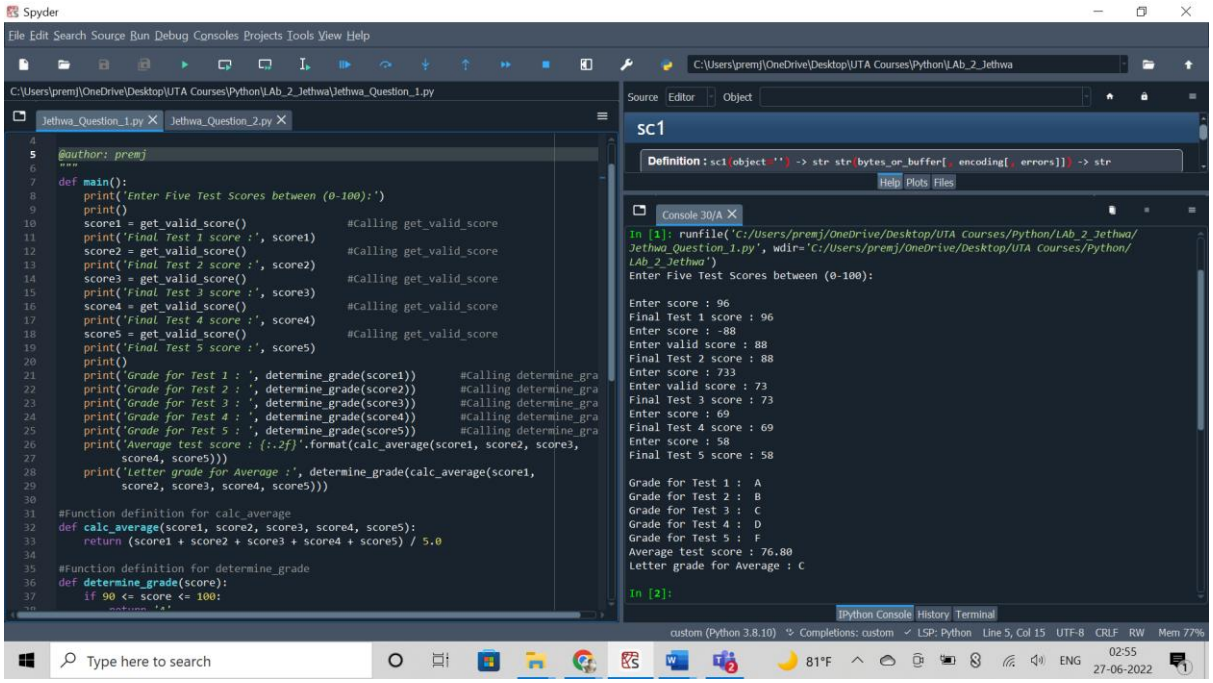
Question 1


Spyder
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C:\Users\premj\OneDrive\Desktop\UTA Courses\Python\LAb_2_Jethwa
C:\Users\premj\OneDrive\Desktop\UTA Courses\Python\LAb_2_Jethwa\Jethwa_Question_1.py
Jethwa_Question_1.py
Jethwa_Question_2.py
@author: premj
def main():
print('Enter Five Test Scores between (0-100):')
score1 = get_valid_score() #Calling get_valid_score
print('Final Test 1 score :', score1)
score2 = get_valid_score() #Calling get_valid_score
print('Final Test 2 score :', score2)
score3 = get_valid_score() #Calling get_valid_score
print('Final Test 3 score :', score3)
score4 = get_valid_score() #Calling get_valid_score
print('Final Test 4 score :', score4)
score5 = get_valid_score() #Calling get_valid_score
print('Final Test 5 score :', score5)
print()
print('Grade for Test 1 : ', determine_grade(score1)) #Calling determine_gra
print('Grade for Test 2 : ', determine_grade(score2)) #Calling determine_gra
print('Grade for Test 3 : ', determine_grade(score3)) #Calling determine_gra
print('Grade for Test 4 : ', determine_grade(score4)) #Calling determine_gra
print('Grade for Test 5 : ', determine_grade(score5)) #Calling determine_gra
print('Average test score : {:.2f}'.format(calc_average(score1, score2, score3,
score4, score5)))
print('Letter grade for Average :', determine_grade(calc_average(score1,
score2, score3, score4, score5)))
#Function definition for calc_average
def calc_average(score1, score2, score3, score4, score5):
return (score1 + score2 + score3 + score4 + score5) / 5.0
#Function definition for determine_grade
def determine_grade(score):
if 90 <= score <= 100:
Source Editor Object
sc1
Definition : sc1(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str
Help Plots Files
Console 30/A
In [1]: runfile('C:/Users/premj/OneDrive/Desktop/UTA Courses/Python/LAb_2_Jethwa/Jethwa_Question_1.py', wdir='C:/Users/premj/OneDrive/Desktop/UTA Courses/Python/LAb_2_Jethwa')
Enter Five Test Scores between (0-100):
Enter score : 96
Final Test 1 score : 96
Enter score : -88
Enter valid score : 88
Final Test 2 score : 88
Enter score : 733
Enter valid score : 73
Final Test 3 score : 73
Enter score : 69
Final Test 4 score : 69
Enter score : 58
Final Test 5 score : 58
Grade for Test 1 : A
Grade for Test 2 : B
Grade for Test 3 : C
Grade for Test 4 : D
Grade for Test 5 : F
Average test score : 76.80
Letter grade for Average : C
In [2]:
IPython Console History Terminal
custom (Python 3.8.10) Completions: custom LSP: Python Line 5, Col 15 UTF-8 CRLF RW Mem 77%
Type here to search
81°F
ENG
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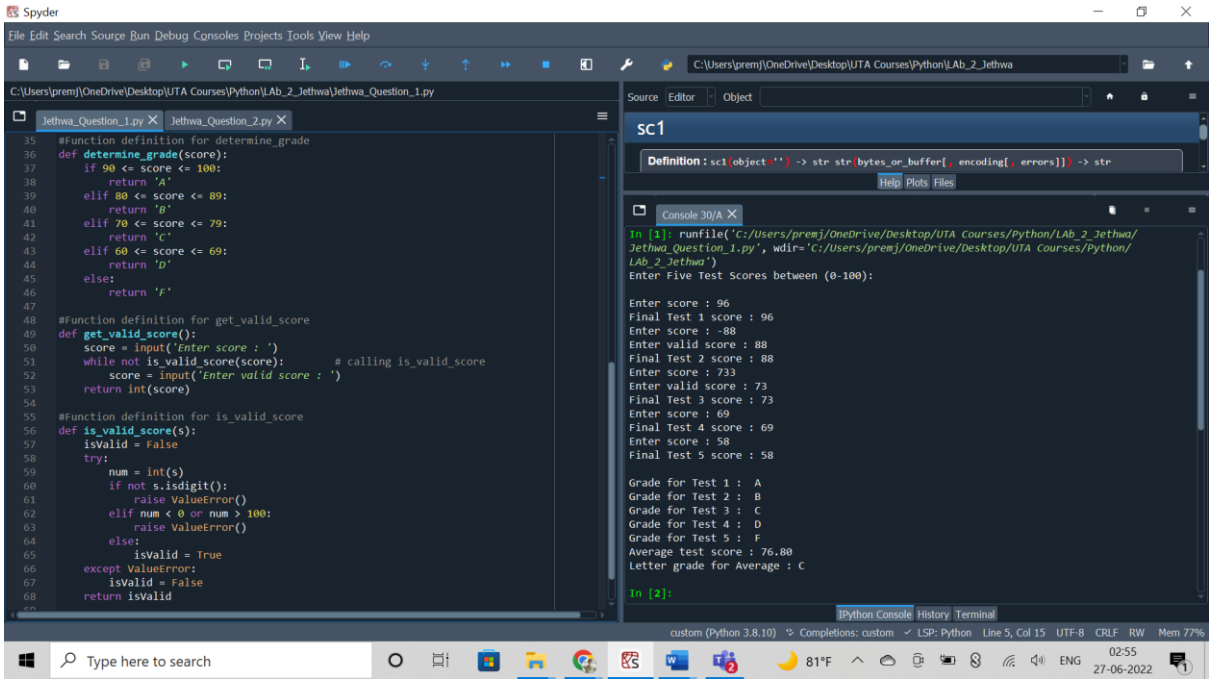
27-06-2022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Jethwa_Question_1.py
Jethwa_Question_2.py
#Function definition for determine_grade
def determine_grade(score):
if 90 <= score <= 100:
return 'A'
elif 80 <= score <= 89:
return 'B'
elif 70 <= score <= 79:
return 'C'
elif 60 <= score <= 69:
return 'D'
else:
return 'F'
#Function definition for get_valid_score
def get_valid_score():
score = input('Enter score : ')
while not is_valid_score(score): # calling is_valid_score
score = input('Enter valid score : ')
return int(score)
#Function definition for is_valid_score
def is_valid_score(s):
isValid = False
try:
num = int(s)
if not s.isdigit():
raise ValueError()
elif num < 0 or num > 100:
raise ValueError()
else:
isValid = True
except ValueError:
isValid = False
return isValid
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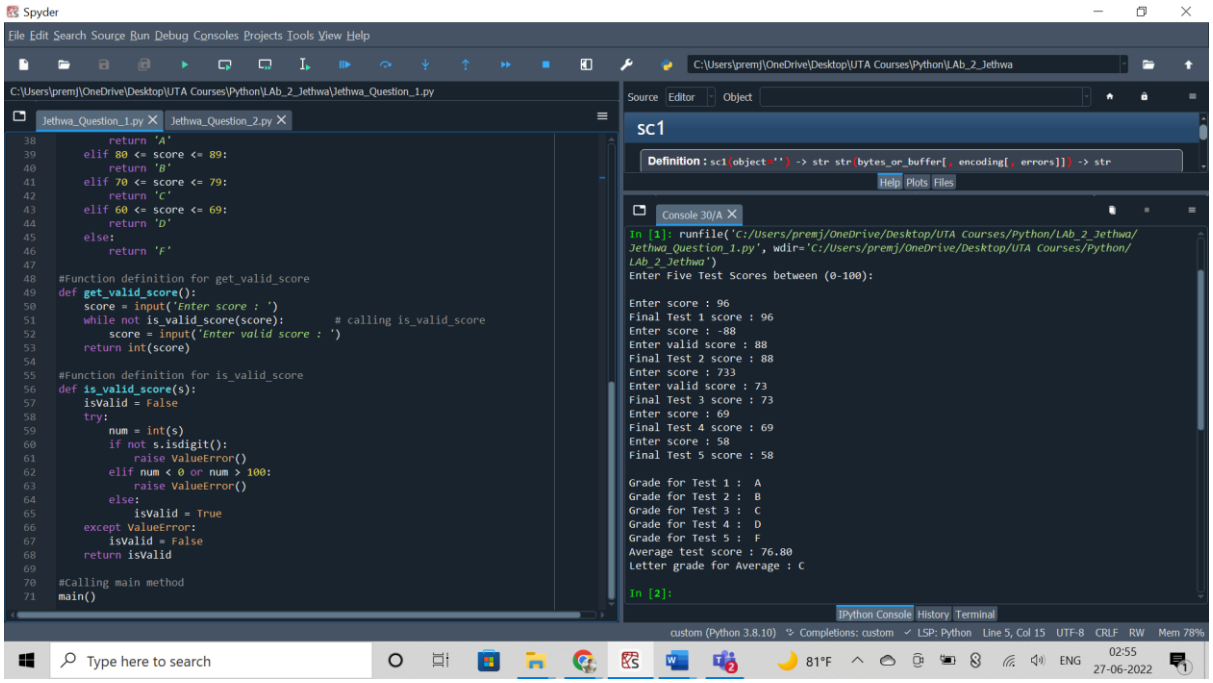
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if not s.isdigit():
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elif num < 0 or num > 100:
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else:
isValid = True
except ValueError:
isValid = False
return isValid
#Calling main method
main()
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