

GREETING MESSAGE GENERATOR:

PROJECT DESCRIPTION:

I have made the code as per given, its working is to greet the user by taking input of his/her first name and the last name moreover use of gender inspection for the accurate greeting.

I used nested function into it because there were couple of loops and I wanted to use them independently without collision and false output.

Also used if else conditions for any unusual spelling mistake and data type which helps to get rid of programming error as well compile time.

CODE SCREEN SHOT:

```
❶ Greeting.py ●
❷ Greeting.py > ...
1 #Taking user input as their name
2 f_name=""
3 l_name=""
4 gender=""
5 #defining a function for greeting as greet
6 def name():
7     while True: #using while loop for if condition dont match it call that input question again
8         #Taking input of first name
9         f_name=input("Type your first name : ").upper()
10        if len(f_name) >10: #condition for index count under 10
11            print("Your name is too long, Try with the shorter name")
12            continue #if greater than 10 index go back to ask first name again
13        while True:
14            #Taking input for last name
15            l_name=input("Type your last name : ").upper()
16            if len(l_name) >10: #condition for index count under 10
17                print("Your last name is long, Try with the shorter name")
18                continue #if greater than 10 index go back to ask last name again
19            break #terminating the loop
20        def greet(): #Creating new function to call from name as gender
21            while True:
22                gender=input("Are you male or female : ").lower() #asking gender for greeting line and title
23                if gender == "male": #if gender is male will print this line
24                    print(f"A beautiful day deserves a beautiful greeting: Good morning, and may your day be amazing! Mr. {f_name} {l_name}")
25                    break #terminating the loop
26                elif gender == "female": #if gender is female will print this line
27                    print(f"Rise and shine, gorgeous! Today's gonna be a fabulous day, just like you! Ms. {f_name} {l_name}")
28                    break #terminating the loop
29                else:
30                    print("invalid input")
31        greet() #calling function to run inside a function
32        return #using return so the function will not occur looping
33    name() #calling function to run
```

OUTPUT 1:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe d:/Python_Project/Greeting.py
Type your first name : swamivivekanand
Your name is too long, Try with the shorter name
Type your first name : swami
Type your last name : vivekanandgiri
Your last name is long, Try with the shorter name
Type your last name : vivek
Are you male or female : male
A beautiful day deserves a beautiful greeting: Good morning, and may your day be amazing! Mr. SWAMI VIVEK
PS D:\Python_Project>
```

HUNAR-INTERN ASSESSMENT

OUTPUT 2:

```
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe d:/Python_Project/Greeting.py
Type your first name : Kartik
Type your last name : Shakya
Are you male or female : male
A beautiful day deserves a beautiful greeting: Good morning, and may your day be amazing! Mr. KARTIK SHAKYA
PS D:\Python_Project> █
```

OUTPUT 3:

```
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe d:/Python_Project/Greeting.py
Type your first name : meerabaichanu
Your name is too long, Try with the shorter name
Type your first name : meera bai
Type your last name : chanu
Are you male or female : female
Rise and shine, gorgeous! Today's gonna be a fabulous day, just like you! Ms. MEERA BAI CHANU
PS D:\Python_Project> █
```

OUTPUT 4:

```
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe d:/Python_Project/Greeting.py
Type your first name : smarati
Type your last name : mandhana
Are you male or female : female
invalid input
Are you male or female : female
Rise and shine, gorgeous! Today's gonna be a fabulous day, just like you! Ms. SMARATI MANDHANA
PS D:\Python_Project> █
```

RUNNER-UP SCORE FINDER:

PROJECT DESCRIPTION:

I have made this runner-up finder program, which take input from the user and give us the second highest score achiever from all the data given by the user.

Well, I didn't use any function here because I read and perform almost dozens of programs and erased it because, I also want the name and score for the individual.

In this program I made empty list, to fill by append data directly inputted by the user then converted it and sort it by the sorted () function and called the last second index from the list for runner-up's score record.

CODE SCREEN SHOT:

```
Runner-up.py X
Runner-up.py > ...
1 #Taking input for how many players there are
2 #also ensuring that there will be no type error occur by using int()
3 #creating an empty list to add the player data into it by the user input
4 score_list=[]
5 i=0 #for indexing the player we take this variable
6 num_player=int(input("How many players are there : "))
7 #using a for loop, where it iterates the loop equal to the given number of players
8 for i in range(num_player):
9     i+=1 #indexing variable using here
10    score=int(input(f"Player {i} score : ")) #ask user to put his input
11    score_list.append(score) #remember that empty list we put every data one by one into the list bu append() use
12 second_list=sorted(score_list) #no matter the series of score it will sort it in incremental format (1,2,3,4,5)
13 print(f"The runner-up's score is : {second_list[-2]}") #printing the runner-up's score
14 |
```

OUTPUT 1:

```
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe
How many players are there : 4
Player 1 score : 8
Player 2 score : 6
Player 3 score : 4
Player 4 score : 7
The runner-up's score is : 7
PS D:\Python_Project>
```

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OUTPUT 2:

```
PS D:\Python_Project> & C:/Users/karti/AppData/Local/Programs/Python/Python312/python.exe
How many players are there : 6
Player 1 score : 234
Player 2 score : 653
Player 3 score : 76
Player 4 score : 3145
Player 5 score : 876
Player 6 score : 234
The runner-up's score is : 876
PS D:\Python_Project>
```