

ITSE 1359 – Program04

General Points

- Use the course material located at:
 - [Python @ ACC](#) - Welcome! through Selection
- Name the source file program04.py.



Requirements (these are the requirements to identify by number):

Note: Keep in mind that pseudocode examples are approximate. The purpose is to meet the operation of the requirement and not necessarily to use the code example provided.

1. Output a header in the console: “This is Program04 - <yournamehere>”
2. Print “This program provides concert seat assignments.”
3. Ask the user their musical preference and take the following actions based on their potential input:
 - Classical – proceed with the program (i.e. move to the next requirement)
 - <anythingelse> – output a message that states “We do not recognize the <anythingelse> musical genre. Sorry.” Then end the program.
4. Ask the user to enter the following data about themselves:
 - First Name
 - Last Name
 - Membership **Level**
 - i. Composer
 - ii. Conductor

ITSE 1359 – Program04

- iii. Musician
 - Seat **Preference**
 - i. Orchestra
 - ii. Main
 - iii. Balcony
 - Meal **Type**
 - i. Chicken
 - ii. Fish
 - iii. Vegan
5. Message the following based on criteria (include First and Last Name in messages to user):
- if Composer **and** Orchestra:
 - i. “You qualify for these are exceptional seats!”
 - if Composer **and** Main:
 - i. “The seats in the main section are good seats.”
 - if Composer **and** Balcony:
 - i. “Interesting, let us know if you want closer seats.”
 - if Conductor **and** Orchestra:
 - i. “Member level of Composer required if you want to sit in the orchestra section.”
 - if Conductor **and** Main:
 - i. “The seats in the main section are good seats.”
 - if Conductor **and** Balcony:
 - i. “Interesting, let us know if you want closer seats.”
 - if Musician **and** Orchestra:
 - i. “Member level of Composer required if you want to sit in the orchestra section.”
 - if Musician **and** Main:
 - i. “Member level of Composer or Conductor required if you want to sit in the main section.”
 - if Musician **and** Balcony:

ITSE 1359 – Program04

- i. “Your balcony seats are confirmed.”
 6. After the concert, the user completes a survey. Ask the user to input a sentiment score 1 – 5 (1 = strongly disagree; 5 = strongly agree) in response to these three statements:
 - The concert was wonderful.
 - The food was fantastic.
 - The seats were superb.
 7. Message to the user based on the following:
 - if Composer **and** (total score less than 12 **or** any score less than 4):
 - i. “Dear Composer, Your survey score of <score> was lower than we would like. Please give us another opportunity soon.”
 - Else # determine if Composer
 - i. “Thank you for being a Composer member and for having a good time!”
 - if Conductor **and** (total score less than 11 **or** any score less than 3):
 - i. “Dear Conductor, Your survey score of <score> was lower than we would like. The next time you attend we will be nicer.
 - Else # determine if Conductor
 - i. “Thank you for being a Conductor member and for having a good time!”
 - if Musician **and** (total score less than 10 **or** any score less than 2):
 - i. “Dear Musician, Your survey score of <score> was lower than we would like. You will have more fun next time.”
 - Else # determine if Musician
 - i. “Thank you for being a Musician member and for having a good time!”
 8. **Print a statement explaining your experiences with Program04. Make this authentic (minimum of 2-3 sentences).**
-

ITSE 1359 – Program04

TEST – **TEST** – **TEST** your application to ensure the requirements are met.

- Use the list above and the common requirements as a checklist.
- Not meeting all requirements = 0 points for the assignment.