System Requirements Specification Index

For

Python Skills Evaluation

Version 1.0

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USE CASE DESCRIPTION

Use Case 1

Write a Python program to take input of a number as a choice and 2 numbers from user and perform required arithmetic operation on 2 numbers based on the given choice.
Input:1,6,4
Output: 10

Description
1. Take **a number as a choice and 2 numbers** as console input in **main ()** method, from user.
2. Pass thesevalues to method **calculator(n,x,y)** and write the logic in that method to perform required arithmetic operation on 2 numbers based on the given choice.
3. Finally return the result from **calculator(n,x,y)** to main() and display it.

Use Case 2

Write a Python program to take input of a sentence and a word from the user and count that word in the sentence.

Example:
Input: abc def abc abc xyz, abc
Output:3

Description
1. Take console input of a sentence and a word, in **main ()** method from user.
2. Pass thesevalues to method**count_word(sentence,word)**and write the logic in that method to count that word in the sentence.
3. Finally return the result from **count_word(sentence,word)** to **main()** and display.

Execution Steps to Follow:

1. All actions like build, compile, running application, running test cases will be through Command Terminal.

2. To open the command terminal the test takers, need to go to

    Application menu (Three horizontal lines at left top) -> Terminal ->New Terminal.

3. The editor Auto Saves the code.

4. If you want to exit(logout) and to continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.

5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.

6. To run application for use case1 use the following command

    python3 calculator.py

7. To run application for use case2 use the following command

    python3 count_occurrences.py

8. Mandatory: Before final submission run the following command

    python3 -m unittest

9. Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on "Submit Assessment" after you are done with code.

10. You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.

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