
System Requirements Specification Index

For

Python Skills Evaluation

Version 1.0

IIHT Pvt. Ltd.
fullstack@iiht.com

USE CASE DESCRIPTION

Use Case 1

Write a Python program to demonstrate method overriding.

Input: 5 7

Output: 35

Description

1. Define **calculate(self,x,y)** instance method in Super class and **calculate(self,x,y)** instance method in Sub class.
2. Calculate addition in Super class instance method and calculate multiplication in Sub class instance method on x and y.
3. Take 2 numbers as console input in **main ()** method, from user.
4. Pass these values to method **calculate(self,x,y)**.
5. Finally return the result from **calculate(self,x,y)** to **main()** and display it.

Use Case 2

Write a Python program to demonstrate single inheritance.

Example:

Input: 2 4

Output: 16

Description

1. Define a constructor in Super class A and **calculate_power(self)** instance method in Sub class B.
2. Take 2 numbers x,y as console input in **main ()** method, from user.
3. Pass these values to the Super class constructor.
4. Calculate power on 2 values (x power y) in **calculate_power(self)** instance method of Sub class.
5. Finally return the result from **calculate_power(self)** to **main()** and display it.

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 method_override.py`
7. To run application for use case2 use the following command
`python3 single_inh.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.

-----*-----

