

Assessment Day - 5

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Q1) Create a class A which should be child of class B and class B should be child of class C. Class C should be child of class D and class D should be child of E.

Create following methods in the classes –

In class A – create a method – method1() and it should print “Hello”.

In class B – create a method – method2() and it should print “how”.

In class C – create a method – method3() and it should print “are”.

In class D – create a method – method4() and it should print “you”.

In class E – create a method – method5() and it should print “today?”.

Find out where to call the methods to get the output – Hello how are you today?

CODE

```
e.py x
1 class E:
2     def method5(self):
3         print("today?", end=' ')
4

d.py x
1 from Assingments.e import E
2
3
4 class D(E): # class D is Child of E
5     def method4(self):
6         print("you", end=' ')
7

D > method4()

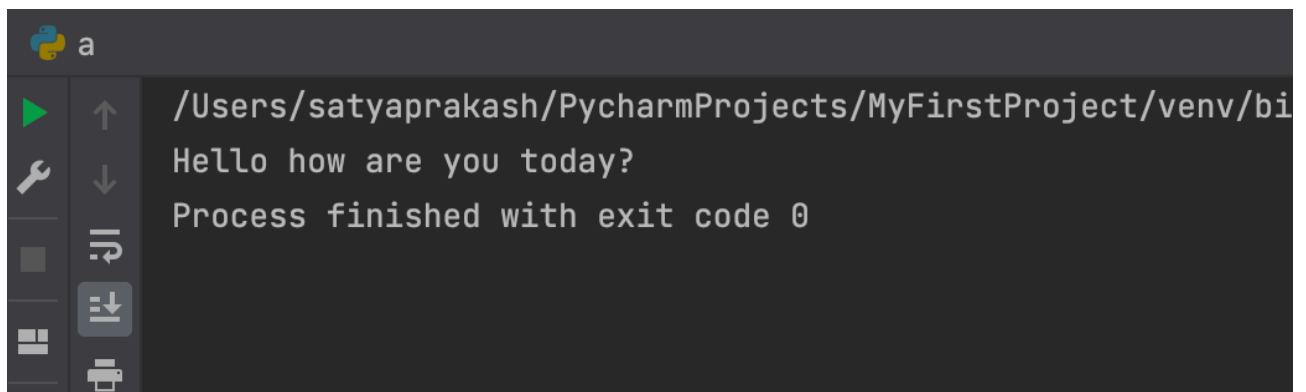
c.py x
1 from Assingments.d import D
2
3
4 class C(D): # class C is Child of D
5     def method3(self):
6         print("are", end=' ')
7

C > method3()

b.py x
1 from Assingments.c import C
2
3
4 class B(C): # class B is Child of C
5     def method2(self):
6         print("how", end=' ')
7

a.py x
1 from Assingments.b import B
2
3
4 class A(B): # class A is Child of B
5     def method1(self):
6         print("Hello", end=' ')
7
8 obj_of_a = A()
9 obj_of_a.method1()
10 obj_of_a.method2()
11 obj_of_a.method3()
12 obj_of_a.method4()
13 obj_of_a.method5()
14
```

OUTPUT

A screenshot of a PyCharm terminal window. The title bar shows the Python logo and the letter 'a'. On the left is a vertical toolbar with icons for running (green play button), debugging (wrench), and other actions. The terminal text shows the execution of a command in a virtual environment, followed by a greeting and a confirmation of successful execution.

```
a  
/Users/satyaprakash/PycharmProjects/MyFirstProject/venv/bin/python  
Hello how are you today?  
Process finished with exit code 0
```