

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”.

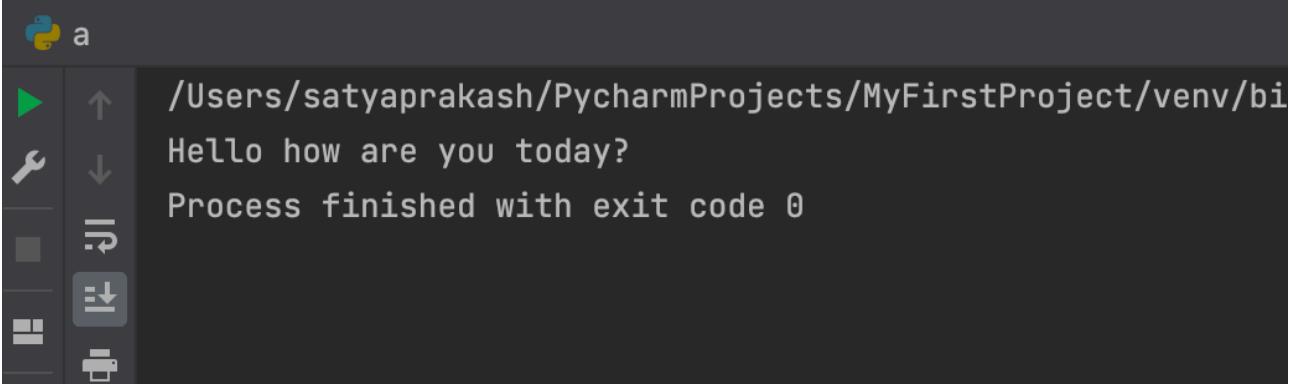
In class E – create a method – method5() and it should print “today?”.

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

CODE

```
e.py
1  class E:
2      def method5(self):
3          print("today?", end=' ')
4
d.py
1
2
3
4  class D(E): # class D is Child of E
5      def method4(self):
6          print("you", end=' ')
7
C > method4()
c.py
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
B > method3()
b.py
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 > method2()
a.py
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()
```

OUTPUT



The image shows the PyCharm IDE's Output tool window. The title bar displays the Python logo and the letter 'a'. The main pane contains the following text:

```
/Users/satyaprakash/PycharmProjects/MyFirstProject/venv/bin/python -i C:/Users/satyaprakash/PycharmProjects/MyFirstProject/main.py  
Hello how are you today?  
Process finished with exit code 0
```

The left side of the window features a vertical toolbar with several icons: a green play button, a red stop button, a double arrow for running, a single up arrow, a single down arrow, a magnifying glass, a square, a file icon, and a printer icon.