

Python Quiz

1. Write down precisely what would be printed when each of the following **Python code** snippets is executed. You may assume the code immediately below, to declare variables, has been executed.

```
a="Java"  
b="Python"  
c=5  
d=2  
x1=[9,4,1]  
x2=[9,4,1]
```

Code snippet	Your answer here:
<code>print (x1==x2)</code>	True (FCC)
<code>print (x2[0]+x2[2])</code>	10 (TCC)
<code>print(a + b)</code>	JavaPython (TCC)
<code>print (a*2)</code>	JavaJava (FCC)
<code>print (b+c)</code>	Error (FCC)
<code>print (c/d)</code>	2.5 (FCC)
<code>print (d*(c+d))</code>	14 (TCC)

2. What will be the output of the following **Python program** fragments?

Program Fragment	Your answer here:
a. <pre>a=1 a= "jump" print (a)</pre>	Jump (FCC)
b. <pre>Sc1 = ["Axe"] Sc2 = Sc1 Sc1.append("Wood") print(Sc1) print(Sc2)</pre>	['Axe', 'Wood'] (ATCC) ['Axe', 'Wood']
c. <pre>for i in range(2): print ("pen") i=3</pre>	pen pen (FCC)

d. <pre>for i in range(2): a=2 print (a)</pre>	2 (FCC)
e. <pre>i = 0 while (i < 2): a="post" print(a) i+=1</pre>	(TCC) Post post

<pre>f. def pin(e,f): ga=e+f api() return ga def api(): ga=3 print(ga) print (pin(3,3))</pre>	<pre>(TCC) 3 6</pre>
<pre>g. n1 = {'name':'Joseph', 'age': 51} n2 = {'name':'Vic', 'age': 35} n1=n2 n2['age']=36 print(n2['age']) print(n1['age'])</pre>	<pre>(ATCC) 36 36</pre>
<pre>h. a=1; b=2; if (a>b): print("hello") else: print("bye")</pre>	<pre>(TCC) bye</pre>

Java Quiz

1. Write down precisely what would be printed when each of the following **Java code** snippets is executed. You may assume the code immediately below, to declare variables, has been executed.

```
String a="public";
String b="void";
int c=5;
int d=2;
int[] x1={3,2,1};
int[] x2={3,2,1};
```

Code snippet	Your answer here:
System.out.println (x1==x2);	False (FCC)
System.out.println (x2[0]+x2[2]);	4 (TCC)
System.out.println (a + b);	Publicvoid (TCC)
System.out.println (a*2);	Error (FCC)
System.out.println (b+c);	Void5 (FCC)
System.out.println (c/d);	2 (FCC)
System.out.println (d*(c+d));	14 (TCC)

2. What will be the output of the following **Java program** fragments?

Program Fragment	Your answer here:
a. <pre>int a=1; String a="hello"; System.out.println(a);</pre>	(FCC) error
b. <pre>for (int i=0; i<2; i++){ System.out.println("hello"); i=3;}</pre>	(FCC) hello
c. <pre>public static void main(String[] args){ for (int i=0; i<2; i++){ int b=2;} System.out.println(b);}</pre>	(FCC) error
d. <pre>int i = 0; while (i < 3) { int a=1; System.out.println(a); i++;}</pre>	(TCC) 1 1 1

<p>e.</p> <pre>int a=4; int b=6; if (a>b){ System.out.println("axe");} else{ System.out.println("wood");}</pre>	<p>(TCC) wood</p>
--	-----------------------

<pre>f. public class Main { public static int gen(int g, int s) { int a=g+s; cen(); return a; } public static void cen() { int a=2; System.out.println(a); } public static void main(String[] args) { System.out.println(gen(4,3)); } }</pre>	<p>(TCC)</p> <p>2 7</p>
<pre>g. public class Robot { String name; int age; public Robot(String n, int w){ this.name=n; this.age=w; } public void agga(){ age=age+1; } public static void main(String []args) { Robot n1=new Robot("Joseph", 51); Robot n2=n1; System.out.println(n1.age+" "+n2.age); n1.agg(); System.out.println(n1.age+" "+n2.age); } }</pre>	<p>(ATCC)</p> <p>51 51 52 52</p>

```
h.
import java.util.ArrayList; public class Main
{
    public static void main(String[] args)
    {
        ArrayList<String> cars = new
        ArrayList<String>(); cars.add("Audi");
        ArrayList<String> cars2=cars;
        cars2.add("Corolla"); System.out.println(cars);
        System.out.println(cars2);
    } }
}
```

(ATCC)
[Audi,
Corolla]
[Audi,
Corolla]

