

Lecture 1: IN1010 University of Oslo Java and Python Plenary Quiz answers

What is the output of the following **JAVA** program fragments when executed?

```
1. int suma = 0;
   int i = 0;
   while (i < 3)
   {
       suma=suma+i;
       i =i + 1;
   }
   System.out.println(suma);
```

#Answer: 3

```
2. public class HelloWorld{

   public static int gen(int g, int s)
   {
       int a=g+s;
       return a;
   }
   public static void main(String[] args)
   {
       System.out.println(gen(7,3));
   }
}}
```

#Answer: 10

```
3. public class MyClass
   {
       public static void main(String[] args)
       {
           ArrayList<String> cars = new ArrayList<String>();
           cars.add("Toyota");
           ArrayList<String> cars2=cars;
           cars2.add("Mercedes");
           System.out.println(cars);
       }
   }
```

#Answer: [Toyota, Mercedes]

5.

```
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;  
        System.out.println(age);  
    }  
    public static void main(String []args){  
        Robot n1=new Robot("Joseph", 51);  
        n1.aggga();  
    }  
}}
```

#Answer: 52

6.

- a. `System.out.println("hello" + "there");`
- b. `System.out.println(5/2);`
- c. `System.out.println("run" * 2);`
- d. `System.out.println("exec" + 3);`

#Answer: hellothere

#Answer: 2

#Answer: error

#Answer: exec3

What is the output of the following **PYTHON** program fragments when executed?

```
1. tol = 0  
   i = 0  
   while i < 3:  
       tol=tol+i  
       i += 1  
   print (tol)
```

#Answer: 3

2.

```
def cap(z,y):  
    pa=z*y  
    return pa  
  
print (cap(3,4))
```

#Answer: 12

```
3. a=[20,30]
   b=a
   a[0]=a[0]+1
   print (b[0])
```

#Answer: 21

```
4.
class Camp:
    def __init__(self, students, scores):
        self._student = students
        self._score = scores
    def gigi(self):
        self._score += 1
        print(self._score)
f1 = Camp("Chris", 80)
f1.gigi()
```

#Answer: 81

```
5.
a. print("Good" + "morning")
b. print(5/2)
c. print("Good" * 3)
d. print("Good" + str(3))
```

#Answer: Goodmorning

#Answer: 2.5

#Answer: GoodGoodGood

#Answer: Good3