

Question - 1 Question 1

SCORE: 10 points

```
abstract class A
   abstract int firstMethod(int i);
   abstract int secondMethod(int i);
   int thirdMethod(int i)
       return secondMethod(i++);
abstract class B extends A
   @Override
   int secondMethod(int i)
       return firstMethod(++i);
}
class C extends B
   @Override
   int firstMethod(int i)
      return ++i;
class HelloWorld{
    public static void main(String []args){
      C c = new C();
System.out.println(c.thirdMethod(121121));
```

what's the output of the segment above?

- 121121
- 121122
- 121123
- 121124



```
public class Q2 {
   public static void main(String[] args) {
     int i =111;
      System.out.print(++i+i+++" "+i);
   }
}
```

what's the output of the segment above?

- 223 112
- 225 113
- 224 113
- Compile Error

Question - 3 Question 3

SCORE: 10 points

Which answer(s) match the given pattern? pattern: **a*b+**

- aaaaa
- aaaaab

- abbb
- aaaaabbbb

Question - 4 Question 4

SCORE: 10 points

```
public class Q4 {
    public static void main(String args[]) {
        try{
            return;
        }
        finally{
            System.out.println("Quiz 3 now");
        }
    }
}
```

Code runs with no output

Comp	ile time error	
Quiz 3	3 now	
Run ti	ime error	
Question - 5 Question 5		SCORE: 10 points
Which of the foll	lowing is FALSE about abstract classes in Java	?
	bstract class and do not implement all the abs he derived class should also be marked as abst rd	
Abstra	act classes can have constructors	
A clas	s can be made abstract without any abstract n	nethod
A clas	ss can inherit from multiple abstract classes.	
Question - 6 Coding:		SCORE: 50 points
Students are ask write a function of following this rul Input: [1,1,4,2,1,3] Output: 3 Explanation: [4, 2] 2 is star [2, 1] 1 is star input:- the array output:- (return on the input of stude Note: •) 1 <= heights.le •) 1 <= heights[i] •) The first persor there is no one in	sed to stand in non-decreasing order of heights when given an array tells how many students at le 3,1] anding in front of 4 and violating the rule anding in front of 2 and violating the rule of student heights type int) ents not following the rule ength <= 100 <= 10 on in the line is considered to always follow the	s in line. are not