
Activity
3
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Part A: Q1: Predict output

```java
public class Test {

    static int add(int a, int b) {
        return a + b;
    }

    public static void main(String[] args) {
        int x = add(5, 3);
        System.out.println(add(x, 2));
    }
}
```

Output

10

Q2: Predict output

```
public class Test {

    static void printNum(int n) {
        System.out.print(n + " ");
    }

    public static void main(String[] args) {
        printNum(5);
        printNum(10);
        printNum(15);
    }
}
```

Output

5 10 15

Q3. Predict output

```java
public class Test {

    static int sum(int a, int b) {
        return a + b;
    }

    static double sum(double a, double b) {
        return a + b;
    }

    public static void main(String[] args) {
        System.out.println(sum(5,3));
        System.out.println(sum(2.5,3.5));
    }
}
```

Output

8

6.0

Q4. Predict output

```
public class Test {

    static void A() {
        System.out.print("A ");
        B();
    }

    static void B() {
        System.out.print("B ");
    }

    public static void main(String[] args) {
        B();
        A();
    }
}
```

Output

B A B

Q5. Predict output

```java
public class Test {

    static int change(int x) {

        x = x + 5;
        return x;

    }

    public static void main(String[] args) {

        int a = 10;
        change(a);

        System.out.println(a);

    }
}
```

Output

10

In Java, when you pass a primitive variable (like int, double, char, boolean) to a method, the method receives a copy of the value, not the original variable.

This means:

The method works on a separate copy.
Changes inside the method do NOT affect the original variable.

Q9. Correct the following Code

```
public class Test {

    static int sum(int a, int b) {
        int result = a + b;
    }

    public static void main(String[] args) {
        System.out.println(sum(5,3));
    }
}
```

```
public class Test {

    static int sum(int a, int b) {
        int result = a + b;
        return result;
    }

    public static void main(String[] args) {
        System.out.println(sum(5,3));
    }
}
```


Thank You