Name : R Anush **Date :** 21/09/2023
Student Code : AF0336714
Batch Code : Java_ANP-C6315

Lab Assignment-3

Q1: ● Create a new class Employee

● Add member variables: id and age of type int, name of type String and isPermanent of type boolean

● Now assign values 35.5 to age; See the error message.

● How can you avoid this error? Correct the error by casting.

● Make all the members protected

● Add a main method to it. Print message “Successfully started”.

● Compile the class

Input:

```
package CoreJava;

public class Employe {
	protected int id;
   protected int age;
   protected String name;
   protected boolean isPermanent;

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Employe employee = new Employe();
		employee.id = 112356;
		employee.age = (int) 21.5; // Casting to int
		employee.name = "R Anush";
		employee.isPermanent = true;
		System.out.println("Successfully started");
		System.out.println("Id:"+employee.id);
```

```
                System.out.println("Age:"+employee.age);
                System.out.println("Name:"+employee.name);
               System.out.println("Jobtype(Permanent/not):"+
employee.isPermanent);

            }

}
```

Output:

```
Successfully started
Id:112356
Age:21
Name:R Anush
Jobtype(Permanent/not):true
```

Q2: Write a program for inc/dec operator include four type operators and display values.

Input:

```
package CoreJava;

public class IncDec {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		// Integer type
	int intValue = 10;
	System.out.println("Integer value before increment: " + intValue);
	intValue++; // Post-increment
	System.out.println("Integer value after increment: " + intValue);
	intValue--; // Post-decrement
	System.out.println("Integer value after decrement: " + intValue);

	// Float type
	float floatValue = 20.5f;
	System.out.println("Float value before increment: " + floatValue);
	floatValue++; // Post-increment
	System.out.println("Float value after increment: " + floatValue);
	floatValue--; // Post-decrement
	System.out.println("Float value after decrement: " + floatValue);

	// Double type
	double doubleValue = 30.5;
	System.out.println("Double value before increment: " + doubleValue);
	doubleValue++; // Post-increment
	System.out.println("Double value after increment: " + doubleValue);
	doubleValue--; // Post-decrement
	System.out.println("Double value after decrement: " + doubleValue);

	// Char type
	char charValue = 'A';
	System.out.println("Char value before increment: " + charValue);
	charValue++; // Post-increment
	System.out.println("Char value after increment: " + charValue);
	charValue--; // Post-decrement
	System.out.println("Char value after decrement: " + charValue);
	  }
```

}

Output:

Integer value before increment: 10
Integer value after increment: 11
Integer value after decrement: 10
Float value before increment: 20.5
Float value after increment: 21.5
Float value after decrement: 20.5
Double value before increment: 30.5
Double value after increment: 31.5
Double value after decrement: 30.5
Char value before increment: A
Char value after increment: B
Char value after decrement: A