Lab 1

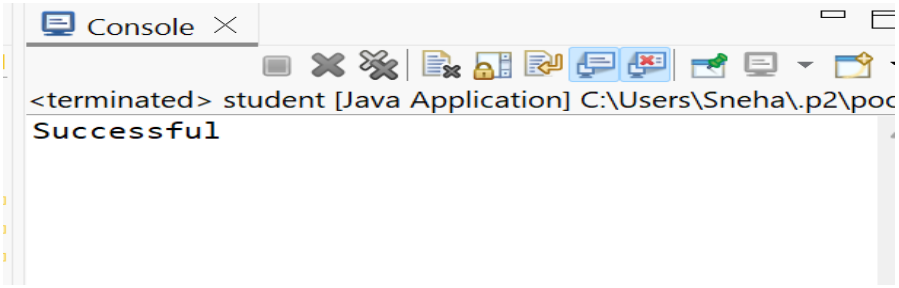
Assignment-1.

- **Create a class Student in Student.java then add member variables studentName, collegeName of type string**
- **Add a member variable studentID of type int.**
- **Make all the member variables as private.**
- **Add a main method. Add print a message "Successful".**
- **Compile the class**
- **Run the class**

Source code"

```
package labque;
// student.java
public class student {

	// Private member variables
	private String StudentName;	// stores the name of the student
	private String collegeName;	// stored the college name of the student
	private int studentID;		// stores the student ID (unique number)

	// main method
	public static void main(String[] args) {

		// print message on successful execution
		System.out.println("Successful");
	}
}
```

Output:



Assignment-2.

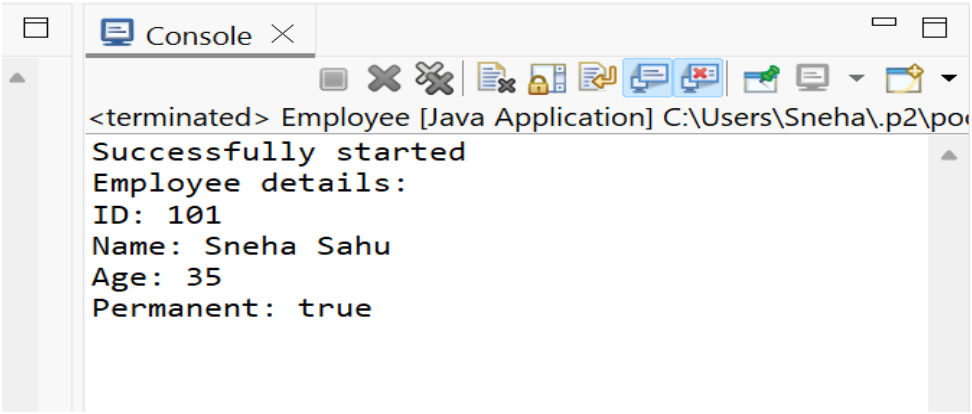
- **Create a new class Employee**
- **Add member variables: id and age of type int, name of type String and isPermanent of type Boolean.**
- **Now assign value 35.5 to age; See the error message.**
- **How can you avoid this error? Correct the error by casting.**
- **Make all the members protected.**
- **Add a main method to it. Print message "Successfully started".**
- **Compile the class.**

Source Code:

```
package labque;

// Employee.java
public class Employee {
        // Protected member variables
    protected int id;
    protected int age;
    protected String name;
    protected boolean isPermanent;

    // main method
        public static void main(String[] args) {

                // create an object of employee class
                Employee emp = new Employee();

                // Assign values to employee object
                emp.id = 101;
                emp.name = "Sneha Sahu";
                emp.isPermanent = true;
                // emp.age = 35.5; // Error
                emp.age = (int) 35.5; // corrected by casting

                // Display output
                System.out.println("Successfully started");
        System.out.println("Employee details:");
        System.out.println("ID: " + emp.id);
        System.out.println("Name: " + emp.name);
        System.out.println("Age: " + emp.age);
        System.out.println("Permanent: " + emp.isPermanent);
```

```
        }
}
```

Output:


Console
<terminated> Employee [Java Application] C:\Users\Sneha\.p2\poo
Successfully started
Employee details:
ID: 101
Name: Sneha Sahu
Age: 35
Permanent: true