

Session-2 Lab

(Solve any three problems)

In this lab session we will create a simple Java class to understand the basic structure of a class. We will add variables and learn package and import statements.

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. And print a message “Successful”.
- Compile the class.
- Run the class (Follow Coding convention).

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 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.

Assignment-3.

- Create a class Person.
- Add member variables name as String, age and salary as int.
- Initialize the member variable along with declaration.
- Now put the previous Person class in a package com.anudip.learning.

- Add a main method. Add a print message “Test Successful”.
- Run the class after compilation.
- Modify the classpaths to see the error messages on the console.

Assignment-4.

- Create a class Rectangle.
- Add a member variable width and height of type double.
- Create an enum Color with values RED, GREEN, BLUE.
- Create a member variable boxColor of type Color.
- Add a main method.
- In main method just print the enum Color.BLUE (You will notice that Java prints the enum name as it is).
- Compile and run the class.