

IT Workshop -II (CS251)

Lab Assignment : 1

[1] Write a java program which should take following inputs at runtime (from keyboard):

- I. Employee Name (String)
- II. Employee ID (int)
- III. Salary (double)

Display his full record. Also, display his Employee Grade.

Note: An employee's grade is categorised based on his salary in following way:

Salary (x)	Grade
$x \geq 80000$	A
$79999 \geq x \geq 50000$	B
$49999 \geq x \geq 30000$	C
$29999 \leq x$	D

[2] Write JAVA program to implement the following scenario:

Student Class:

- a. Create "Student" class with fields: name, marks1, marks2, percentage and grade (all private).
- b. Write setter methods for the fields: name, marks1 and marks2 .
- c. Write methods to do the following:
 - i. calculate percentage, grade
 - ii. display name, percentage and grade of the respective student in "Student" class.

Note: 1. You can calculate grade and percentage in the same method.
2. Assume some range of percentage for grade levels.

Grade Class: Write your main program in this class, where you should create 2 student objects by taking name and marks from keyboard for each of them. Then use setter methods to initialize them and also call respective methods to find percentage and grade of student. And at last display records of every student along with their percentage and grade (by calling respective Student class methods).

<u>Class Student</u>
Private: String name, int marks1, marks2
+ displayRecord() + calculatePercentage() + setName() + setMarks1() +setMarks2()