Inheritance and interfaces – on the Spot

Exercise-IV

Date: 20.8.25   marks: 10 marks

1.Define a class called **Salesperson** from Abstract class Person whose data members are: **age**(integer), **name**(String), **number of sales**(integer), salary(double). The member functions are: constructor with three arguments to initialise member variables age, name and salary and number of sales is initialised always initialised to zero, **addSale(double saleAmount)** – method to increment the number of sales for the amount of sale made, **int getSales()** – to return the sales made by the Salesperson, **display()** – to display the details of the Salesperson, **double getBonus()** – to return the bonus of Salesperson based on the following table:

Sales range	Bonus amount
10-20	1000
20 – 40	2000
➢ 40	5000

Create an Interface Tax with method calculateTax and static variable tax initialised with value 0.15. Implement this interface in class SalesPerson. Write a main program to print the SalesPerson who has paid highest tax by implementing Comparator Interface.

Write a driver program to create object of Salesperson and test all methods.