**Basic Java Assignment**

Question 1. Write a class and related methods to store details of employees of a company. You can use concepts of inherited classes as well.

**import** java.util.Scanner;

**public** **class** employee {

**public** **static** **int** *empID*;

**public** **static** String *name*;

**public** **static** String *designation*;

**public** **static** String *address*;

**public** **static** String *town*;

**public** Scanner sc;

**public** **void** main(String[] args)

{

sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the employee ID" +*empID*);

*empID* = sc.nextInt();

System.***out***.println("Enter Employee name" +*name*);

*name*=sc.next();

System.***out***.println("Enter employee designation" +*designation*);

*designation*=sc.next();

System.***out***.println("Enter the address of employee" +*address*);

*address*=sc.next();

System.***out***.println("enter the town of employee" +*town*);

*town*=sc.next();

}

**void** display()

{

System.***out***.println("Employee Name: "+*name*);

System.***out***.println("Employee ID: "+*empID*);

System.***out***.println("Designation: "+*designation*);

System.***out***.println("Address: "+*address*);

}

}

**class** salary **extends** employee

{

**public** **static** **float** *BasicSalary*,*hr*,*da*,*TotalSalary*;

salary(String name,String designation) {

}

**public** **void** calculate()

{

*TotalSalary*=*BasicSalary*+*hr*+*da*;

System.***out***.println("Employee name is");

System.***out***.println("Total salary of employee" +*TotalSalary*);

}

**void** display()

{

System.***out***.println(" ");

**super**.display();

System.***out***.println("Salary: "+*TotalSalary*);

System.***out***.println("Designation: "+*designation*);

}

}

Question 2. Write a class and related methods to store details of users of an Ecommerce website (like amazon or flipkart). You can use concepts of inherited classes, encapsulate and abstract classes.

**package** ecommerce;

**abstract** **class** user(){

**private** **int** userId;

**private** String Name;

**private** String address;

**public** **int** userId() {

**return** userId;

}

**public** **void** setuserId(**int** userId) {

**this**.userId = userId;

}

**public** String getName() {

**return** Name;

}

**public** **void** setName(String Name) {

**this**.Name = Name;

}

**public** String getaddress() {

**return** address;

}

**public** **void** setaddress(String address) {

**this**.address = address;

}

}

**class** order **extends** users

{

**private** **int** OrderNumber;

**private** string OrderName;

**private** **float** amount ;

order(String UserName,String Address) {

}

**public** **void** OrderDetails()

{

System.***out***.println("Username is"+UserName);

System.***out***.println("Amount of order is" +amount);

}

**void** display()

{

System.***out***.println(" ");

**super**.display();

System.***out***.println("UserName "+UserName);

System.***out***.println("Amount "+amount);

}

}