**Slip27**

 Q1) Define an Employee class with suitable attributes having getSalary() method, which returns salary withdrawn by a particular employee. Write a class Manager which extends a class Employee, override the getSalary() method, which will return salary of manager by adding traveling allowance, house rent allowance etc. [10 marks]

class Employee {

    String name;

    double salary;

    public Employee(String name, double salary) {

        this.name = name;

        this.salary = salary;

    }

    public double getSalary() {

        return salary;

    }

}

class Manager extends Employee {

    double ta,ha;

    public Manager(String name, double salary, double ta,double ha){

        super(name, salary);

        this.ta = ta;

        this.ha = ha;

    }

    @Override

    public double getSalary() {

        return super.getSalary() + ta + ha;

    }

}

public class Slip27\_2{

    public static void main(String[] args) {

        Employee e1 = new Employee("Aaaaa", 5000.0);

        System.out.println("Employee Name = "+e1.name+" Salary: " + e1.getSalary());

        Manager m = new Manager("Bbbb", 8000.0, 1000.0, 2000.0);

        System.out.println("Manager Name = "+m.name+" Salary: " + m.getSalary());

    }

}

Q2) Write a program to accept a string as command line argument and check whether it is a file or directory. Also perform operations as follows: i)If it is a directory,delete all text files in that directory. Confirm delete operation from user before deleting text files. Also, display a count showing the number of files deleted, if any, from the directory. ii)If it is a file display various details of that file.

import java.io.\*;

class DirDemo

{

public static void main(String args[]) throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

String dirname=args[0],ext;

int ch,i,cnt=0;

File f1=new File(dirname);

ext="txt";

if(f1.isFile())

{

System.out.println(f1+"is a File\n");

System.out.println("Path  : "+f1.getAbsolutePath());

System.out.println("File Size  : "+f1.length()+"bytes\n");

}

else if(f1.isDirectory())

{

System.out.println(args[0]+"Is a Directory\n");

System.out.println("Contents of  : "+dirname);

String s[]=f1.list();

for(i=0;i<s.length;i++)

{

File f=new File(dirname,s[i]);

if(f.isFile())

{

cnt++;

System.out.println(s[i]+"is a File\n");

}

else

System.out.println(s[i]+"is a Directory\n");

}

System.out.println("Total Number Of Files :"+cnt);

System.out.println("Do you want to delete files with extension 'txt'(1/0):?");

ch=Integer.parseInt(br.readLine());

if(ch==1)

{

for(i=0;i<s.length;i++)

{

File f=new File(dirname,s[i]);

if(f.isFile() && s[i].endsWith(ext))

{

System.out.println(s[i]+"->deleted");

f.delete();

}

}

}

}

}

}