Assignment Day 8

Q.1

**package** Sep1;

**import** java.util.Scanner;

**public** **class** Employees {

String name,designation;

**int** age;

Double salary;

**public** **void** getDetails()

{

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

System.***out***.println("Enter the Name of Employee:");

name=sc.nextLine();

System.***out***.println("Enter the Age of Employee:");

age=sc.nextInt();

System.***out***.println("Enter the Salary of Employee:");

salary=sc.nextDouble();

System.***out***.println("Enter the Designation of Employee:");

designation=sc.next();

}

**public** **void** display()

{

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

System.***out***.println("Age of Employee is:"+age);

System.***out***.println("Salary of Employee is:"+salary);

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

}

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

{

Employees e=**new** Employees();

e.getDetails();

e.display();

Employee1 e1=**new** Employee1();

e1.getDetails();

e1.display();

Employee2 e2=**new** Employee2();

e2.getDetails();

e2.display();

}

}

**package** Sep1;

**public** **class** Employee1 **extends** Employees {

**public** **void** getdetails()

{

**super**.getDetails();

}

**public** **void** display()

{

**super**.display();

}

}

**package** Sep1;

**public** **class** Employee2 **extends** Employees {

**public** **void** getdetails()

{

**super**.getDetails();

}

**public** **void** display()

{

**super**.display();

}

}

Output:

Enter the Name of Employee:

Swati

Enter the Age of Employee:

24

Enter the Salary of Employee:

25362

Enter the Designation of Employee:

STE

Name of Employee is:Swati

Age of Employee is:24

Salary of Employee is:25362.0

Designation of Employee is:STE

Enter the Name of Employee:

Komal

Enter the Age of Employee:

26

Enter the Salary of Employee:

25698

Enter the Designation of Employee:

SDE

Name of Employee is:Komal

Age of Employee is:26

Salary of Employee is:25698.0

Designation of Employee is:SDE

Enter the Name of Employee:

Pallavi

Enter the Age of Employee:

32

Enter the Salary of Employee:

65236

Enter the Designation of Employee:

Manager

Name of Employee is:Pallavi

Age of Employee is:32

Salary of Employee is:65236.0

Designation of Employee is:Manager

Q.2

**package** Sep1;

**public** **class** Parent {

**int** salary;

**public** **void** set\_salary (**int** salary) {

**this**.salary = salary;

}

**public** **void** display()

{

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

}

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

Parent p=**new** Parent();

p.set\_salary(65222);

p.display();

Doctor d=**new** Doctor();

d.set\_salary(98265);

d.display();

d.diagnose();

Engineer e=**new** Engineer();

e.set\_salary(126555);

e.display();

e.work();

Pilot pi=**new** Pilot();

pi.set\_salary(15555);

pi.display();

pi.work();

}

}

**package** Sep1;

**public** **class** Doctor **extends** Parent{

**public** **void** diagnose() {

System.***out***.println ("Doctor is diagnosing.");

}

}

**package** Sep1;

**public** **class** Engineer **extends** Parent {

**public** **void** work() {

System.***out***.println ("Engineer is Working.");

}

}

**package** Sep1;

**public** **class** Pilot **extends** Parent {

**public** **void** work() {

System.***out***.println ("Pilot is flying Aeroplane");

}

}

Output:

Salary is:65222

Salary is:98265

Doctor is diagnosing.

Salary is:126555

Engineer is Working.

Salary is:15555

Pilot is flying Aeroplane

Q.3

**package** Sep1;

**public** **class** Employee {

**int** empId;

String name;

Double salary;

Employee(**int** eid,String n,Double sal)

{

empId = eid;

name = n;

salary=sal;

}

**public** **void** display(){

System.***out***.println("Employee Id is:"+empId);

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

System.***out***.println("Employee Salary is:"+salary);

}

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

Employee[] obj = **new** Employee[3] ;

obj[0] = **new** Employee(100,"Swati",25563.265);

obj[1] = **new** Employee(200,"Komal",652236.236);

obj[2] = **new** Employee(200,"Trupti",652236.236);

System.***out***.println("Employee Object 1:");

obj[0].display();

System.***out***.println("Employee Object 2:");

obj[1].display();

System.***out***.println("Employee Object 3:");

obj[2].display();

}

}

Output:

Employee Object 1:

Employee Id is:100

Employee Name is:Swati

Employee Salary is:25563.265

Employee Object 2:

Employee Id is:200

Employee Name is:Komal

Employee Salary is:652236.236

Employee Object 3:

Employee Id is:200

Employee Name is:Trupti

Employee Salary is:652236.236

Q.4

**package** Sep1;

**public** **class** Employee {

**int** empId;

String name;

Double salary;

Employee(**int** eid,String n,Double sal)

{

empId = eid;

name = n;

salary=sal;

}

**public** **void** display(){

System.***out***.println("Id is:"+empId);

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

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

}

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

Employee[] obj = **new** Employee[3] ;

obj[0] = **new** Employee(100,"Swati",25563.265);

obj[1] = **new** Employee(200,"Komal",652236.236);

obj[2] = **new** Employee(200,"Trupti",652236.236);

System.***out***.println("Employee Object 1:");

obj[0].display();

System.***out***.println("Employee Object 2:");

obj[1].display();

System.***out***.println("Employee Object 3:");

obj[2].display();

Manager[] m = **new** Manager[3] ;

m[0] = **new** Manager(100,"Pallavi",65321.23);

m[1] = **new** Manager(200,"Kajal",89653.65);

m[2] = **new** Manager(200,"Tanuja",45362.36);

System.***out***.println("Manager Object 1:");

m[0].display();

System.***out***.println("Manager Object 2:");

m[1].display();

System.***out***.println("Manager Object 3:");

m[2].display();

Tester[] t = **new** Tester[3] ;

t[0] = **new** Tester(100,"Sakshi",25362.236);

t[1] = **new** Tester(200,"Pooja",56985.00);

t[2] = **new** Tester(200,"Sayali",56982.89);

System.***out***.println("Tester Object 1:");

t[0].display();

System.***out***.println("Tester Object 2:");

t[1].display();

System.***out***.println("Tester Object 3:");

t[2].display();

}

}

**package** Sep1;

**public** **class** Manager **extends** Employee {

Manager(**int** eid, String n, Double sal) {

**super**(eid, n, sal);

// **TODO** Auto-generated constructor stub

}

}

**package** Sep1;

**public** **class** Tester **extends** Employee{

Tester(**int** eid, String n, Double sal) {

**super**(eid, n, sal);

// **TODO** Auto-generated constructor stub

}

}

Output:

Employee Object 1:

Id is:100

Name is:Swati

Salary is:25563.265

Employee Object 2:

Id is:200

Name is:Komal

Salary is:652236.236

Employee Object 3:

Id is:200

Name is:Trupti

Salary is:652236.236

Manager Object 1:

Id is:100

Name is:Pallavi

Salary is:65321.23

Manager Object 2:

Id is:200

Name is:Kajal

Salary is:89653.65

Manager Object 3:

Id is:200

Name is:Tanuja

Salary is:45362.36

Tester Object 1:

Id is:100

Name is:Sakshi

Salary is:25362.236

Tester Object 2:

Id is:200

Name is:Pooja

Salary is:56985.0

Tester Object 3:

Id is:200

Name is:Sayali

Salary is:56982.89