/\*File : Employee.java

\*Description : Exercise to understand Inheritance

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PROGRAM

package javalab;

import java.util.Scanner;

public class EmployeeDetails {

public static void main(String[] args) {

Officer officer=new Officer();

officer.getDetails();

officer.setSpecialization();

System.out.println("Details of Officer:");

officer.printDetails();

officer.printSpecialization();

Manager manager=new Manager();

manager.getDetails();

manager.setDepartment();

System.out.println("Details of Manager:");

manager.printDetails();

manager.printDepartment();

}

}

class Employee{

String name;

int age;

long phonenumber;

String address;

float salary;

Scanner sc=new Scanner(System.in);

public void getDetails()

{

System.out.println("Enter Name:");

name=sc.nextLine();

System.out.println("Enter Age:");

age=sc.nextInt();

System.out.println("Enter Phone Number:");

phonenumber=sc.nextLong();

sc.nextLine();

System.out.println("Enter Address:");

address=sc.nextLine();

System.out.println("Enter Salary:");

salary=sc.nextInt();

}

public void printDetails()

{

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

System.out.println("Age:"+age);

System.out.println("Phone Number:"+phonenumber);

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

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

}

}

class Officer extends Employee

{

String specialization;

public void setSpecialization()

{

System.out.println("Enter Specialization:");

specialization=sc.next();

}

public void printSpecialization()

{

System.out.println("Specialization:"+specialization);

}

}

class Manager extends Employee

{

String department;

public void setDepartment()

{

System.out.println("Enter Department:");

department=sc.next();

}

public void printDepartment()

{

System.out.println("Department:"+department);

}

}

OUTPUT

Enter Name:

Robert

Enter Age:

43

Enter Phone Number:

987654321

Enter Address:

Ramapuram

Enter Salary:

20000

Enter Specialization:

Python coding

Details of Officer:

Name:Robert

Age:43

Phone Number:987654321

Address:Ramapuram

Salary:20000.0

Specialization:Python Coding

Enter Name:

Xavier

Enter Age:

45

Enter Phone Number:

1234567899

Enter Address:

Erattupetta

Enter Salary:

60000

Enter Department:sales

Details of Manager:

Name:Xavier

Age:45

Phone Number:1234567899

Address:Erattupetta

Salary:60000.0

Department: sales