package HarunJava;

public class Employee {

private int employeeID;

private String name;

private double salary;

public Employee(int employeeID,String name,double salary)

{

this.employeeID= employeeID;

this.name=name;

this.salary=salary;

}

public int getEmployeeID() {

return employeeID;

}

public String getName() {

return name;

}

public double getSalary() {

return salary;

}

public String toString() {

return "EmployeeID: "+employeeID+ " \nName: "+name+"\nSalary: "+salary;

}

public static double totalSalary(Employee[]employees) {

double totalSalary=0;

for(Employee employee:employees) {

totalSalary+=employee.getSalary();

}

return totalSalary;

}

}

public class Professor extends Employee{

private String SubjectOfExpertise;

public Professor(int employeeID,String name,double salary,String SubjectofExpertise)

{

super(employeeID,name,salary);

this.SubjectOfExpertise=SubjectofExpertise;

}

public String getSubjectofExpertise(){

return SubjectOfExpertise;

}

public String toString(){

return super.toString()+"\nSubjectofExpertise: "+SubjectOfExpertise;

}

}

public class Administrator extends Employee

{

private String department;

public Administrator(int employeeID,String name,double salary,String department)

{

super(employeeID,name,salary);

this.department=department;

}

public String getdepartment(){

return department;

}

public String toString()

{

return super.toString()+"\nDepartment: "+department;

}

}

public class SupportStaff extends Employee {

private String jobtitle;

public SupportStaff(int employeeID,String name,double salary,String jobtitle)

{

super(employeeID,name,salary);

this.jobtitle=jobtitle;

}

public String getjobtitle(){

return jobtitle;

}

public String toString()

{

return super.toString()+"\nJobTitle: "+jobtitle;

}

public static void main(String[]args){

Employee e1=new Employee(5901,"Awal",60000);

Professor p1=new Professor(5902,"Hadi",90000.00,"Directing Manager");

Administrator a1=new Administrator(5903,"Busra",100000,"CSE");

SupportStaff s1=new SupportStaff(7104,"Malak",20000,"Water Supply");

System.out.println(e1.toString());

System.out.println("\n");

System.out.println(p1.toString());

System.out.println("\n");

System.out.println(a1.toString());

System.out.println("\n");

System.out.println(s1.toString());

Employee[]employees={e1,p1,a1,s1};

double totalSalary=Employee.totalSalary(employees);

System.out.println("\nTotal Salary: "+totalSalary);

System.out.println();

 }

 }