**public class Employee {  
 private String employeeID;  
 private String name;  
 private float salary;  
  
 public Employee(String employeeID, String name, float salary) {  
 this.employeeID = employeeID;  
 this.name = name;  
 this.salary = salary;  
 }  
  
 public String getEmployeeID() {  
 return employeeID;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public float getSalary() {  
 return salary;  
 }  
  
 public String toString()  
 {  
 return "ID NO. : " + getEmployeeID() + "\n" + "Name : " + getName() + "\n" + "Salary : " + getSalary();  
 }  
  
 public static float totalSalary(Employee[] emps)  
 {  
 int totalSalary = 0;  
  
 for (Employee employee : emps)  
 {  
 totalSalary += employee.getSalary();  
 }  
  
 return totalSalary;  
 }  
}**

**class Professor extends Employee  
{  
 private String subjectOfExpertise;  
  
 public Professor(String employeeID,String name,float salary,String subjectOfExpertise)  
 {  
 super(employeeID,name,salary);  
 this.subjectOfExpertise = subjectOfExpertise;  
 }  
  
 public String getSubjectOfExpertise()  
 {  
 return subjectOfExpertise;  
 }  
  
 public String toString()  
 {  
 return "\nProfessor's Details are : \n\n" + super.toString() + "\n" + "The Subject of Expertise : " + getSubjectOfExpertise();  
 }  
  
}**

**class Administrator extends Employee  
{  
 private String department;  
  
 public Administrator(String employeeID,String name,float salary,String department)  
 {  
 super(employeeID,name,salary);  
 this.department = department;  
 }  
  
 public String getDepartment()  
 {  
 return department;  
 }  
  
 public String toString()  
 {  
 return "\nAdministrator's Details are : \n\n" + super.toString() + "\n" + "Department is : " + getDepartment();  
 }  
}**

**class SupportStaff extends Employee  
{  
 private String jobTitle;  
  
 public SupportStaff(String employeeID,String name,float salary,String jobTitle)  
 {  
 super(employeeID,name,salary);  
 this.jobTitle = jobTitle;  
 }  
  
 public String getJobTitle()  
 {  
 return jobTitle;  
 }  
  
 public String toString()  
 {  
 return "\nSupport Staff Details are : \n\n" + super.toString() + "\n" + "Job Title : " + getJobTitle();  
 }  
}**

**//Main Class**

**public class Main {  
 public static void main(String[] args)  
 {  
  
 Employee[] emp = new Employee[4];  
  
 emp[0] = new Professor("211-32-4857","Elizabeth Olsen",50000f,"Mathematics");  
 emp[1] = new Professor("226-42-4334","John Wick",60000f,"Java Language");  
 emp[2] = new Administrator("221-15-5918","Hirankur Dewan",45000f,"Computer Science and Engineering");  
 emp[3] = new SupportStaff("224-17-3343","Joy Sen",25000f,"Lab Support");  
  
 for (Employee employee : emp)  
 {  
 System.*out*.println(employee);  
 }  
  
 System.*out*.println("\n\nThe Total Salary is : " + Employee.*totalSalary*(emp));  
 }  
}**

**OUTPUT**

**Professor's Details are :**

**ID NO. : 211-32-4857**

**Name : Elizabeth Olsen**

**Salary : 50000.0**

**The Subject of Expertise : Mathematics**

**Professor's Details are :**

**ID NO. : 226-42-4334**

**Name : John Wick**

**Salary : 60000.0**

**The Subject of Expertise : Java Language**

**Administrator's Details are :**

**ID NO. : 221-15-5918**

**Name : Hirankur Dewan**

**Salary : 45000.0**

**Department is : Computer Science and Engineering**

**Support Staff Details are :**

**ID NO. : 224-17-3343**

**Name : Joy Sen**

**Salary : 25000.0**

**Job Title : Lab Support**

**The Total Salary is : 180000.0**