Name: - Dinesh Tulshiram Ingole

Project Name :
String_API_Assignment

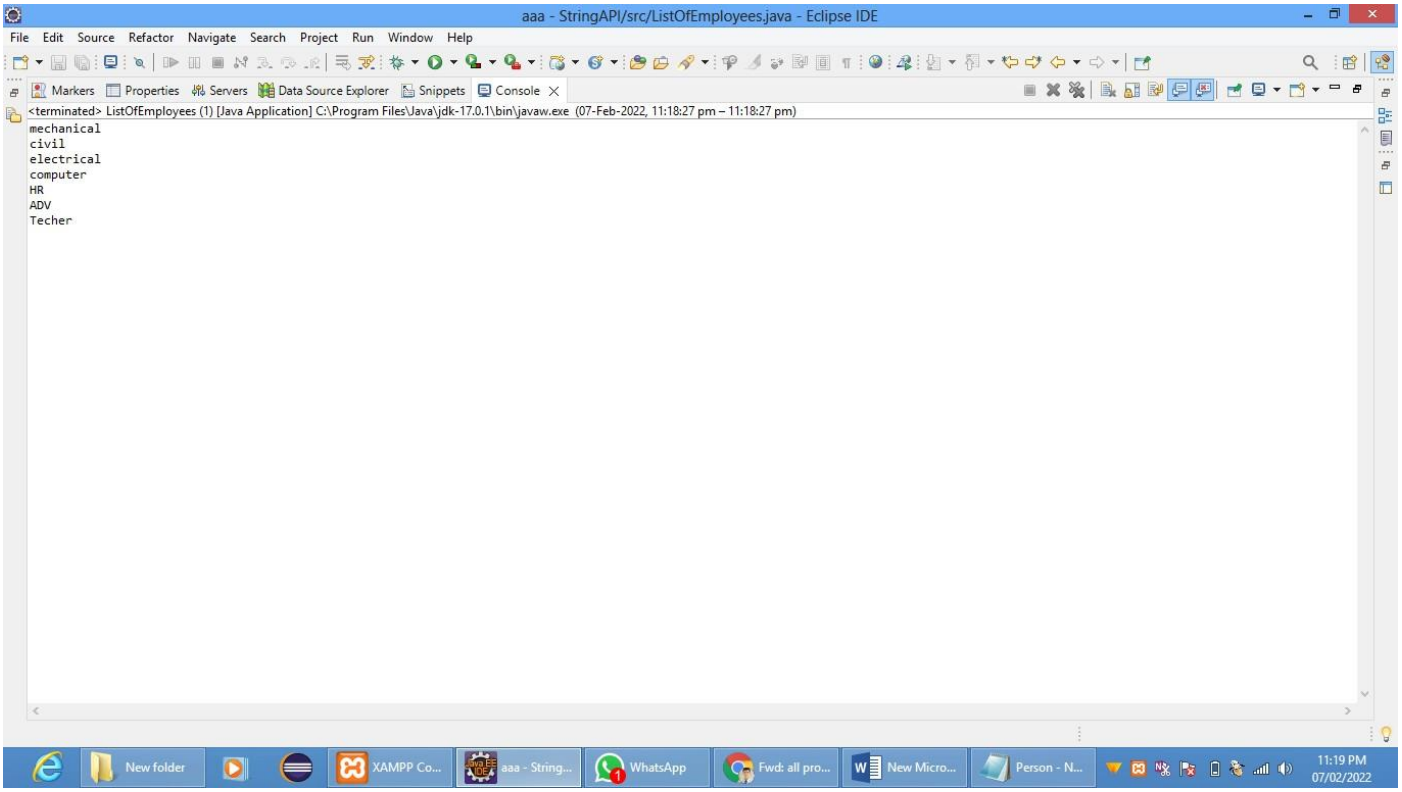
```
public class Employee {
		int id;
		String name;
		int age;
		String
		gender;
		String department;
		double salary;
		public int
		getId() {
			return id;
		}
		public void setId(int id) {
			this.id = id;
		}
		public String getName() {
			return name;
		}
		public void setName(String name) {
			this.name = name;
		}
		public int getAge() {
			return age;
		}
		public void setAge(int age) {
			this.age = age;
		}
		public String getGender() {
			return gender;
		}
		public void setGender(String gender) {
			this.gender = gender;
		}
		public String getDepartment() {
			return department;
		}
		public void setDepartment(String department) {
			this.department = department;
		}
		public double getSalary() {
			return salary;
		}
		public void setSalary(double salary) {
			this.salary = salary;
		}
		public Employee(int id, String name, int age, String gender, String
department, double salary) {
			super();
			this.id = id;
```

```
                this.name = name;
                this.age = age;
                this.gender =
                gender;
                this.department = department;
                this.salary = salary;
        }
        @Override
        public String toString() {
                return "Employee [id=" + id + ", name=" + name + ", age=" +
age + ", gender=" + gender + ", department="
                                + department + ", salary=" + salary + "]";
        }
```

```
}
import
java.text.Collator;
import
java.util.ArrayList;
import
java.util.Collection;
import
java.util.Collections;
import java.util.List;
import java.util.Map;
import
java.util.stream.Collector;
import
java.util.stream.Collectors;

public class ListOfEmployees {

        public static void main(String[] args) {
                List<Employee> emp= new ArrayList<Employee>();
                emp.add(new Employee(101, "Atul", 22, "male", "mechanical",
                50000.56)); emp.add(new Employee(102, "Arvind", 23, "male",
                "civil", 4500.5154)); emp.add(new Employee(103, "Mrunal",
                21, "female", "mechanical",84054.545)); emp.add(new
                Employee(104, "Gaytri", 20, "female", "electrical",
                2500.2525)); emp.add(new Employee(105, "Amol", 52, "male",
                "computer", 45574.255)); emp.add(new Employee(210,
                "Sanket", 65, "male", "HR", 4582.526)); emp.add(new
                Employee(65, "Shrinkant", 35, "male", "ADV", 85000.52));
                emp.add(new Employee(405, "Ranjana", 25, "female",
```

```
        "Techer", 36000.25));



//how many male and female employ are there in the organization
        /*Map<String, Long> noOfMaleAndFemaleEmployees=
        emp.stream().collect(Collectors.groupingBy(Employee::getGender,
        Collectors.counting()));
   System.out.println(noOfMaleAndFemaleEmployees);*/


//print the name of all departments in the organization


        emp.stream().map(Employee::getDepartment).distinct().forEach(System.out::pri
        ntln);


//Ayerage age of male and female
```

```
/*Map<String,Double>angAgeofmaleAndFemaleEmployees=emp.stream().collect
                (Collectors.groupingBy
                (Employee::getGender,Collectors.averagingInt(Employee::get
                Age)));
        System.out.println(angAgeofmaleAndFemaleEmployees);
        */
}
```




```
}
```