

Yasin Hasim Tamboli

```
package stringapi;

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;
    }

    protected 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;
    }

    protected Employee() {
        super();
        // TODO Auto-generated constructor stub
    }

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

}

-----
package stringapi;

```

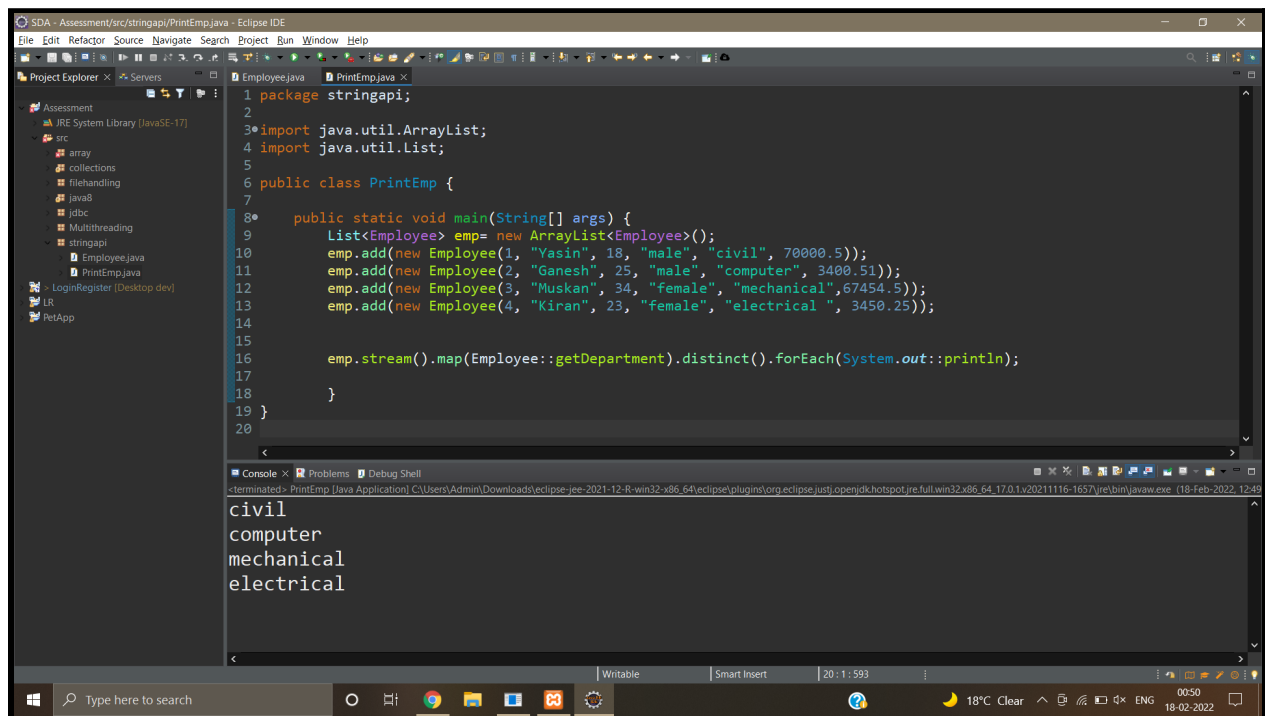
```
import java.util.ArrayList;
import java.util.List;

public class PrintEmp {

    public static void main(String[] args) {
        List<Employee> emp= new ArrayList<Employee>();
        emp.add(new Employee(1, "Yasin", 18, "male", "civil", 70000.5));
        emp.add(new Employee(2, "Ganesh", 25, "male", "computer", 3400.51));
        emp.add(new Employee(3, "Muskan", 34, "female", "mechanical",67454.5));
        emp.add(new Employee(4, "Kiran", 23, "female", "electrical ", 3450.25));

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

    }
}
```



The screenshot shows the Eclipse IDE interface. The Project Explorer on the left displays the project structure, including the 'stringapi' package and its contents. The main editor window shows the 'PrintEmp.java' file with the following code:

```
1 package stringapi;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 public class PrintEmp {
7
8     public static void main(String[] args) {
9         List<Employee> emp= new ArrayList<Employee>();
10        emp.add(new Employee(1, "Yasin", 18, "male", "civil", 70000.5));
11        emp.add(new Employee(2, "Ganesh", 25, "male", "computer", 3400.51));
12        emp.add(new Employee(3, "Muskan", 34, "female", "mechanical",67454.5));
13        emp.add(new Employee(4, "Kiran", 23, "female", "electrical ", 3450.25));
14
15        emp.stream().map(Employee::getDepartment).distinct().forEach(System.out::println);
16
17    }
18 }
19
20
```

The Console window at the bottom shows the output of the program, which is the list of departments: civil, computer, mechanical, and electrical.