# Java\_8\_Assignment\_Outputs

## Custome\_Filter\_Chain:-

#### **Default Power:-**

```
Default Powerjava ×

3
4 interface PowerCalculator {
5 int square(int num);
6 default void defaultPowerInfo() {
7 System.out.println("This is a default method in PowerCalculator interface.");
8 }
9 }
10
11 public class Default Power implements PowerCalculator {
12
13 @Powerride

© Console ×
<terminated> Default_Power (1) [Java Application] C\Users\91939\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELE
Square of 5: 25
This is a default method in PowerCalculator interface.
```

## **Even\_Number\_Collector:-**

## Frequency\_Mapper:-

## **Greeting\_Service:-**

```
Greetings_Printerjava ×

1 package com.wipro.sindhu.java_8_Assignment;

2 3 4
5 @FunctionalInterface
6 interface MessagePrinter{
7 8 void printMessage(String message);
9 10 }
11 12
12 13 class Greeting Service {
14 14 12
15 Console ×

<terminated> Greetings_Printer(1) [Java Application] C:\Users\91939\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4]
Hello, Sindhu! Welcome to Java 8.
```

## **Method\_Reference\_Sorter:-**

#### Name Finder:-

#### Name\_Sorter:-

```
Name_Sorter.java ×
  1 package com.wipro.sindhu.java_8_Assignment;
  3●import java.util.Arrays;
4 import java.util.Collections;
  5 import java.util.List;
  7 public class Name Sorter {
         public static void main(String[] args) {
  90
210
             // TODO Auto-generated method stub
              List<String> names = Arrays.asList("Sindhu", "Priya", "Jyothi", "Vinay", "Ganga");
                                                                                💠 🗆 × 🛠 🖺 🚮 🔂 🗩 💌 😅
<terminated> Name_Sorter (1) [Java Application] C:\Users\91939\Downloads\spring-tools-for-edipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.
Sorted Names:
Ganga
Jyothi
Priya
Sindhu
Vinay
```

## Parallel\_Square\_Printer:-

```
Parallel_Square_Printer.java ×
  1 package com.wipro.sindhu.java_8_Assignment;
  3●import java.util.Arrays;
  4 import java.util.List;
 6 public class Parallel Square Printer {
        public static void main(String[] args) {
 80
             List<Integer> nums = Arrays.asList(1, 2, 3, 4, 5);
             nums.parallelStream()
                 .forEach(n \rightarrow System.out.println("Square of " + n + " = " + (n * n)
                                                                            💠 🔳 🗙 🔆 | 🖺 🚮 📴 👺
■ Console ×
terminated> Parallel_Square_Printer (1) [Java Application] C:\Users\91939\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win3
Square of 4 = 16 - Thread: ForkJoinPool.commonPool-worker-4
Square of 2 = 4 - Thread: ForkJoinPool.commonPool-worker-1
Square of 3 = 9 - Thread: main
Square of 5 = 25 - Thread: ForkJoinPool.commonPool-worker-2
Square of 1 = 1 - Thread: ForkJoinPool.commonPool-worker-3
```

## Prettey\_Joiner:-

## Safe\_Driver :-

```
Safe_Driver.java ×
  1 package com.wipro.sindhu.java 8 Assignment;
  3 import java.util.Optional;
  5 public class Safe Driver {
            public static Optional<Double> divide(double a, double b) {
  7e
  80
                 if (b == 0) {
                     return Optional.empty();
 10●
                 } else {
                     return Optional.of(a / b);
 11
 12
13
            }
                                                                        $ ■ × >
■ Console ×
Result: 10.0
Result 2:
Not Allowed
```

#### **Word Counter:-**