## Java 8 Features

#### Q1. A Name Finder:

```
PS E:\Java_8_Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspac' eStorage\5120b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'ANameFinder'
Names starting with 'A':
Anita
Asha
Asma

PS E:\Java_8_Features>
```

### Q2. Custom Filter Chain

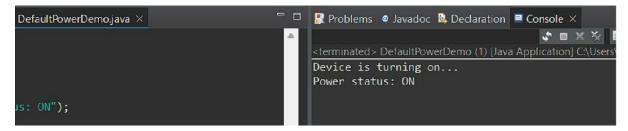
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java 8 Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspacestorage\S120b040ca55fAe59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8 Features_bd9c4d27\bin' 'CustomFilterChain'

Names starting with 'A' and ending with 'a': [Anita, Amma]

PS E:\Java_8 Features>
```

#### Q3. Default Demo Power



## Q4. Even Number Collector

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java_8_Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspacestorage\5120b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'EvenNumberCollector'

Even numbers: [4, 8, 10, 16]

PS E:\Java_8_Features> []
```

## Q5. Frequency Mapper

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java_8 Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspac' estorage\5120bb40ca55f4c59fc1d5d4867886ea\redhat.java\jdt_ws\Java_8 Features_bd9c4d27\bin' 'FrequencyMapper'

Name frequencies: {Rashi=1, Dad=1, John=1, Abdul=1, Geeth=1, Amma=1}

PS E:\Java_8 Features>
```

### Q6. Greetings Printer

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java_8_Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspa estorage\51z0b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'GreetingsPrinter'

**Hello, Abdull**

PS E:\Java_8_Features>
```

#### Q7. Method Reference Sorter

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java_8 Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailSInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspac' estorage\5120b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'MethodReferenceSorter' Abdul Akhil
Balu
Radha

O PS E:\Java_8_Features>
```

#### Q8. Name Sorter

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Java & Features> e:; cd 'e:\Java & Features'; & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppDa ta\Roaming\Code\User\workspaceStorage\5120b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'NameSorter'

Sorted names (Collections.sort + lambda):

Abdul
Balu
Geeth Harsh
Karthik
Radha
PS E:\Java & Features>
```

# Q9. Parallel Square Printer

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PROBLEMS OUTPUT DEBUG
```

## Q10. Pretty Joiner

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

■ PS E:\Java_8_Features> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\arash\AppData\Roaming\Code\User\workspaceStorage\5120b040ca55f4e59fc1d5d4867a86ea\redhat.java\jdt_ws\Java_8_Features_bd9c4d27\bin' 'PrettyJoiner' Joined cities: Mumbai, Delhi, Chennai, Kolkata, Bengaluru

□ PS E:\Java_8_Features>
```

## Q11. Safe Divider



## Q12. Word Counter

