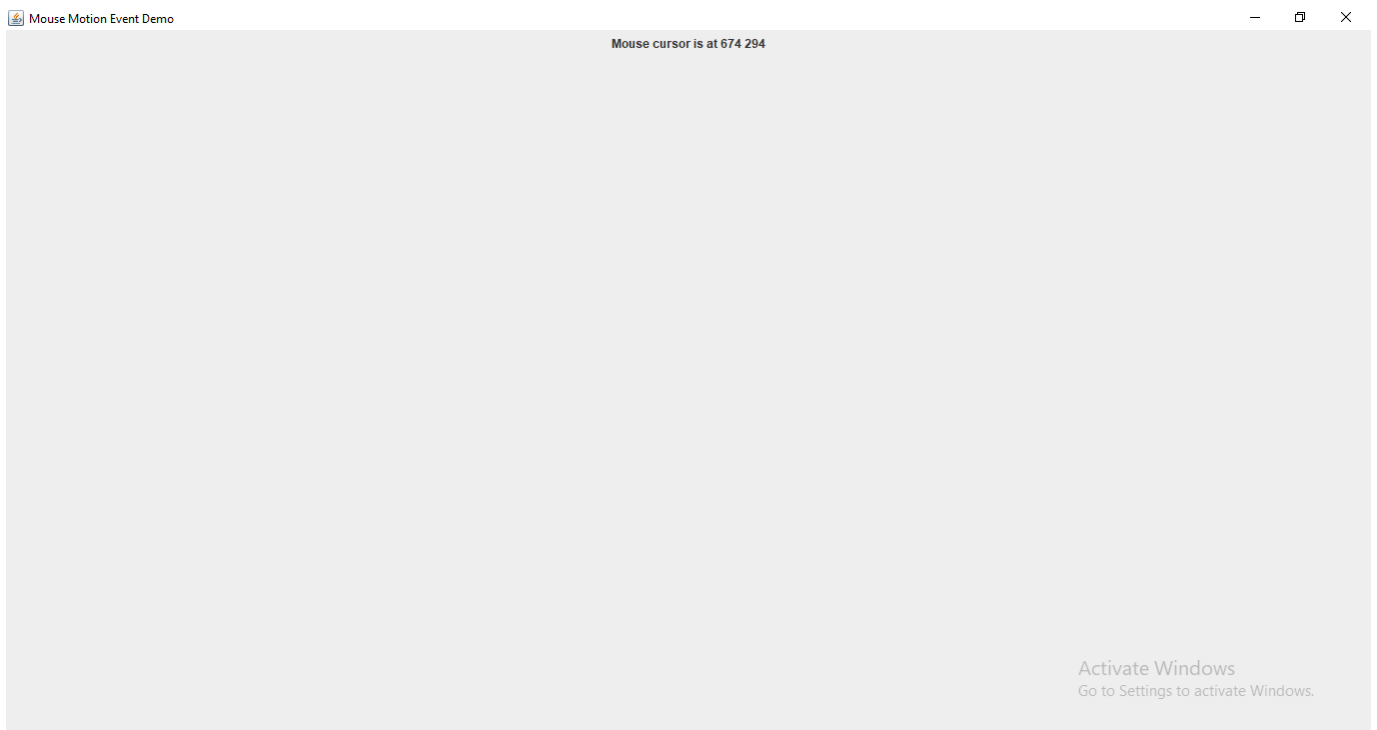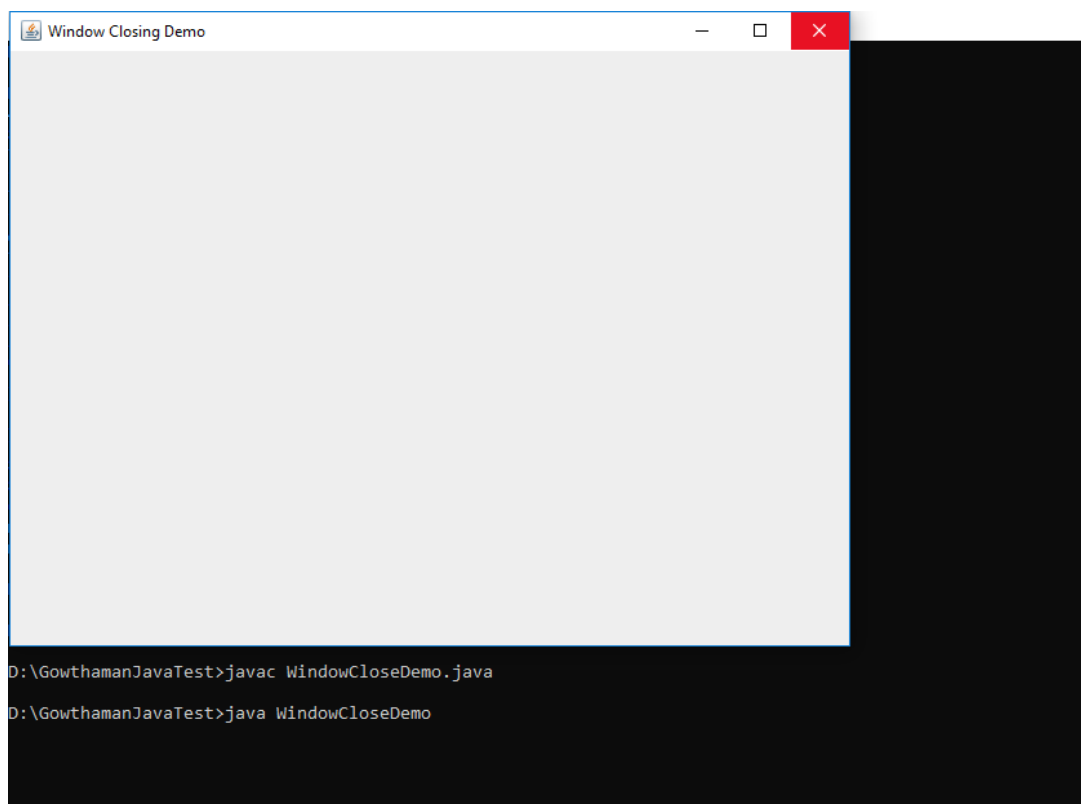# JAVA EXERCISE OUTPUT

Chapter - 1
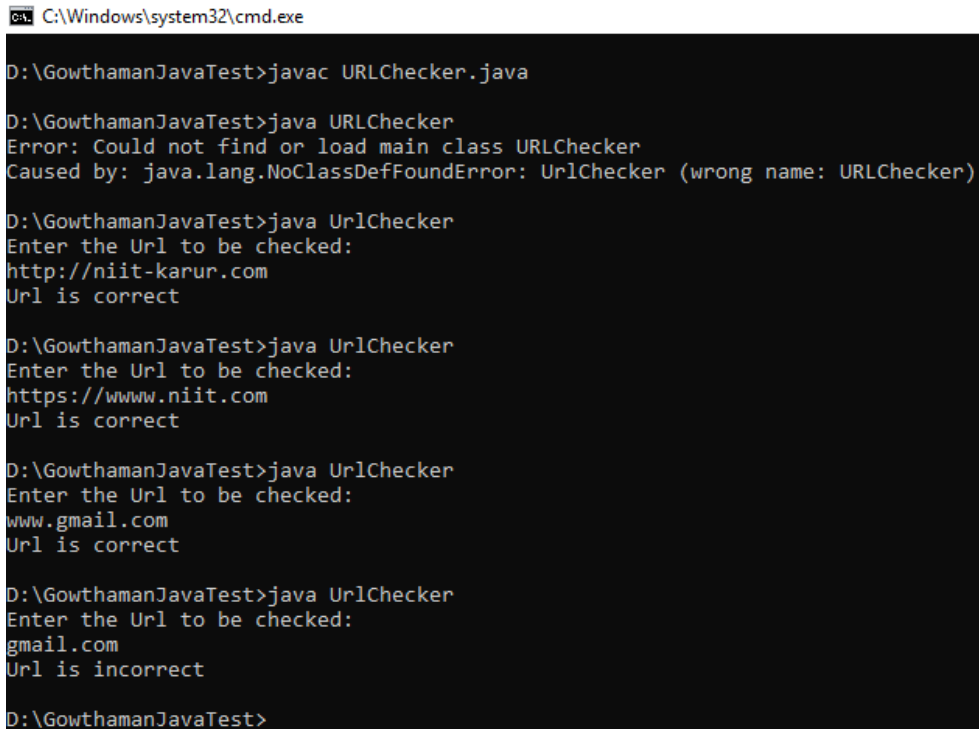
Exercise 1:

Exercise 2:

```
C:\Windows\system32\cmd.exe

D:\GowthamanJavaTest>javac StaticInnerClassDemo.java

D:\GowthamanJavaTest>java StaticInnerClassDemo
42
81
73
10
74
1
0
79
14
29
35
25
68
30
1
25
13
80
82
63
min = 0
max = 82

D:\GowthamanJavaTest>
```

Exercise 3:

Chapter - 2

Exercise: 1

Exercise 2:

C:\Windows\system32\cmd.exe - java LocalizingDate

```
D:\GowthamanJavaTest> javac LocalizingDate.java

D:\GowthamanJavaTest>java LocalizingDate
=== Localizing Date Application ===

--- Choose Language Option ---
1. Set to English
2. Set to French
3. Set to Chinese
4. Set to Italian
q. Quit
Enter a command:1
Thursday July 5, 2018 AD 12:35:02 India Standard Time
=== Localizing Date Application ===

--- Choose Language Option ---
1. Set to English
2. Set to French
3. Set to Chinese
4. Set to Italian
q. Quit
Enter a command:2
jeudi juillet 5, 2018 ap. J.-C. 12:35:02 heure de l?Inde
=== Localizing Date Application ===

--- Choose Language Option ---
1. Set to English
2. Set to French
3. Set to Chinese
4. Set to Italian
q. Quit
Enter a command:3
??? ?? 5, 2018 ?? 12:35:02 ????
=== Localizing Date Application ===

--- Choose Language Option ---
1. Set to English
2. Set to French
3. Set to Chinese
4. Set to Italian
q. Quit
Enter a command:4
giovedì luglio 5, 2018 d.C. 12:35:02 Ora standard dell?India
```
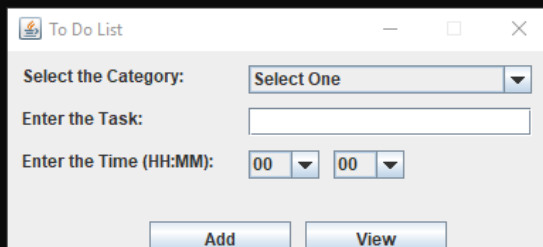
Chapter 3

Exercise 1:
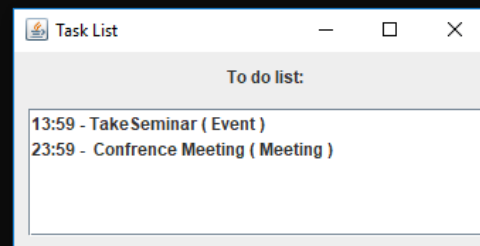
Chapter 4

Exercise 1:

D:\GowthamanJavaTest\4>java ListCreator

---------Menu---------

1. Play

2. Instructions

3. Quit

Choose the option: 2

-------------Instructions---------------

1. You need to guess letters for the row of dashes

2: If you guess the correct letter, it will appear in the next statement

3: If you guess the incorrect letter, it will appear in the list of missed letter.

---------Menu---------

1. Play

2. Instructions

3. Quit

Choose the option: 1

===

The available categories are:

1 Country

2 Animal

3 Fruit

===

Select the category that you want to add (1/2/3):

1

===

The customized list is:

1 Country

==

Do you want to add more? (Y/N): N

==

The final list is:

1 Country

==

Let's play the game.

_ _ _ _ _ _ _

Enter your guess: INDIA

_ _ _ _ _ I _

Enter your guess: A

A _ _ _ _ I A

Enter your guess: S

A _ S _ _ I A

Enter your guess: U

A U S _ _ I A

Enter your guess: T

A U S T _ I A

Enter your guess: R

A U S T R I A

---------- Congrats :) You won ------------

Chapter 5

Exercise 1:

```
C:\Windows\system32\cmd.exe

Enter your guess: T
A U S T _ I A


Enter your guess: R
A U S T R I A
---------- Congrats :) You won ------------

D:\GowthamanJavaTest\4>CD..

D:\GowthamanJavaTest>CD 5

D:\GowthamanJavaTest\5>JAVAC ThreadOutput.java

D:\GowthamanJavaTest\5>java ThreadOutput
Thread A starts
Thread A in for loop, i = 1
Thread A in for loop, i = 2
Thread A in for loop, i = 3
Thread A in for loop, i = 4
Thread A in for loop, i = 5
Thread A in for loop, i = 6
Thread A in for loop, i = 7
Thread A in for loop, i = 8
Thread A in for loop, i = 9
Thread A in for loop, i = 10
Thread A exits
Thread A sleeping for 5 seconds
Thread B starts
Thread B in for loop, i = 1
Thread B in for loop, i = 2
Thread B in for loop, i = 3
Thread B in for loop, i = 4
Thread B in for loop, i = 5
Thread B in for loop, i = 6
Thread B in for loop, i = 7
Thread B in for loop, i = 8
Thread B in for loop, i = 9
Thread B in for loop, i = 10
Thread B exits
Thread B sleeping for 5 seconds
Exit from the main thread

D:\GowthamanJavaTest\5>
```

Exercise 2:

Chapter 6

Exercise 1:

```
D:\GowthamanJavaTest\6>javac SyncTable.java

D:\GowthamanJavaTest\6>java ShowTable
Table created by Thread1
2
4
6
8
10
12
14
16
18
20
Table created by Thread2
4
8
12
16
20
24
28
32
36
40

D:\GowthamanJavaTest\6>
```

Exercise 2:

```
D:\GowthamanJavaTest\6\6.2>javac ExecutorDemo.java

D:\GowthamanJavaTest\6\6.2>java TaskExecutor
Executor started
The task name is - Display 1 to 10
The task name is - Display 11 to 20
Thread B starts
Thread A starts
Thread B in for loop, i = 11
Thread A in for loop, i = 1
Thread A in for loop, i = 2
Thread A in for loop, i = 3
Thread A in for loop, i = 4
Thread A in for loop, i = 5
Thread B in for loop, i = 12
Thread B in for loop, i = 13
Thread B in for loop, i = 14
Thread B in for loop, i = 15
Thread B in for loop, i = 16
Thread A in for loop, i = 6
Thread B in for loop, i = 17
Thread A in for loop, i = 7
Thread B in for loop, i = 18
Thread B in for loop, i = 19
Thread B in for loop, i = 20
Thread A in for loop, i = 8
Thread B exits
Thread A in for loop, i = 9
Thread A in for loop, i = 10
Thread A exits
```

Chapter 7

Exercise 1:

D:\GowthamanJavaTest\7\7.1>java BookDetails

1. Enter Book Details

2. View All Book Details

3. Exit

Enter your choice

2

----

java.io.FileNotFoundException: BookDetails.txt (The system cannot find the file specified)

1. Enter Book Details

2. View All Book Details

3. Exit

Enter your choice

1

Enter the Book Name:

java

Enter the Author Name:

balagurusamy

Enter the Price:

300

Do you want to add more records (y/n)

y

Enter the Book Name:

c

Enter the Author Name:

Raman

Enter the Price:

230

Do you want to add more records (y/n)

n

----

1. Enter Book Details

2. View All Book Details

3. Exit

Enter your choice

2

----

java   balagurusamy   300

c   Raman   230

----

1. Enter Book Details

2. View All Book Details

3. Exit

Enter your choice

3

===========================

Exercise 2:

```
D:\GowthamanJavaTest\7\7.2>java WordSearching
Enter the file in which you want to search the word:
123.txt
Enter the word you want to search:
karur
Searching for karur in file...
The string appears in the document 1 times
```

Chapter – 8

Exercise 1:

```
D:\GowthamanJavaTest\8>java DirectoryWatcher
Specify the directory you want to monitor:
d:/dhevi
Monitoring directory: d:/dhevi

D:\GowthamanJavaTest\8>java DirectoryWatcher
Specify the directory you want to monitor:
d:/dhevi
Monitoring directory: d:/dhevi

D:\GowthamanJavaTest\8>java DirectoryWatcher
Specify the directory you want to monitor:
d:/dhevi
Monitoring directory: d:/dhevi

D:\GowthamanJavaTest\8>
```

Java Output - Activity Book