1)


```
Console ×   Assignment1.java
<terminated> Assignment1 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-tools-app\sts-4.31.0.RELEASE\p
Enter the count of numbers, to calculate the average :
4
 Enter any 4 numbers to calculate the average :
12
343
12
342
 The average of numbers : 177
```

2)


```
Console ×   Assignment2.java
<terminated> Assignment2 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-tools-app\sts-4.31.0.RELEASE\plug
 Enter the count of names :
5
 Enter any  names :
karthik!
ram
mahesh!
Ganesh
Eswar!
[Eswar!, mahesh!, karthik!, ram, Ganesh]
 After reversing :
[Ganesh, ram, karthik!, mahesh!, Eswar!]
```

3)

4)

5)


```
Console ×    Assignment5.java
<terminated> Assignment5 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-tools-app\sts-4.31.0.RELEASE\p6agent\org.eclipse.justj.openjdk.hotspot.jre.full.win
Click
1.Open
2.Exit
1
Enter 5 unique app names to store
Store app :
s1
Store app :
s2
Store app :
ge2
Store app :
f3
Store app :
s2
 exists
Store app :
d2
[s2, s1, ge2, f3, d2]
Click
1.Open
2.Exit
2
 bye bye.. Good Bye
```

6)


```
Console ×    Assignment6.java
<terminated> Assignment6 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-tools-app\sts-4.31.0.RELEASE\p6agent\org.eclipse.justj.openjdk.hotspot.jre.full.
1.Add
2.Display
3.Exit
Enter the int value :
1
Enter the names to add in Queue, prioritising even count of name length.
Enter "stop" to quit adding names
karthik
ram
mahesh
Sunil
kumarr
stop
Click

1.Add
2.Display
3.Exit
Enter the int value :
2
[kumarr, mahesh, karthik, ram, Sunil]
Click

1.Add
2.Display
3.Exit
Enter the int value :
3
 Exited from application
```

7)


```
Console ×    Assignment7.java
<terminated> Assignment7 [Java Application] C:\Users\KARTHIK RAM\D
1
Enter job name:
Learn cloud tools
Enter urgency (1-5):
2

Click
1. Add Job
2. Display Jobs
3. Exit
1
Enter job name:
Finish assignment
Enter urgency (1-5):
1

Click
1. Add Job
2. Display Jobs
3. Exit
1
Enter job name:
watch movie
Enter urgency (1-5):
5

Click
1. Add Job
2. Display Jobs
3. Exit
1
Enter job name:
read self help book
Enter urgency (1-5):
3

Click
1. Add Job
2. Display Jobs
3. Exit
Jobs in priority order:
Job :Finish assignment, urgency = 1
Job :Learn cloud tools, urgency = 2
Job :read self help book, urgency = 3
Job :play soprt, urgency = 4
Job :watch movie, urgency = 5

Click
1. Add Job
2. Display Jobs
3. Exit
Exited.
```

8)

Console ✕   Assignment8.java

`<terminated> Assignment8 [Java Application] C:\Users\KARTHI`
`ins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.7`

```
2. Display Messages
3. Exit
Enter message:
hi karthik

Click
1. Add Message
2. Display Messages
3. Exit
1
Enter message:
how are you doing

Click
1. Add Message
2. Display Messages
3. Exit
1
Enter message:
good to see you

Click
1. Add Message
2. Display Messages
3. Exit
1
Enter message:
Explain oops

Click
1. Add Message
2. Display Messages
3. Exit
1
Enter message:
ok, start collections

Click
1. Add Message
2. Display Messages
3. Exit
1
Enter message:
and SOLID principles

Click
1. Add Message
2. Display Messages
3. Exit
2
Chat History: [ Good to see you, Explain oops, ok, start collections, and SOLID principles]

Click
1. Add Message
2. Display Messages
3. Exit
3
Exited.
```

9)

Console ✕   Assignment9.java

`<terminated> Assignment9 [Java Application] C:\`

```
Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
1
Enter print job name:
assignment

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
2
Printing: assignment

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
1
Enter print job name:
watch movie

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
1
Enter print job name:
go to sleep

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
1
Enter print job name:
partying

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
3
Current Print Queue: [watch movie, go to sleep, partying]

Click
1. Add Print Job
2. Print Next
3. Display Queue
4. Exit
4
Exited.
```

10)

11)

```
Console ×   Assignment11.java

<terminated> Assignment11 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-

Click
1. Add Task(s) to Stage 1
2. Process NEXT from Stage 1 (move even IDs to Stage 2)
3. Display Queues
4. Exit
Enter the int value: 1
Enter tasks. Use id = -1 to stop.
Task id (-1 to stop): 1
Task name : gym
Task id (-1 to stop): 2
Task name : sleep
Task id (-1 to stop): 3
Task name : coding
Task id (-1 to stop): -1

Click
1. Add Task(s) to Stage 1
2. Process NEXT from Stage 1 (move even IDs to Stage 2)
3. Display Queues
4. Exit
Enter the int value: 2
Processed: [Task id=1, name=gym] → completed at Stage 1 (odd id)
successfully: [Task id=2, name=sleep] → moved to Stage 2
Processed: [Task id=3, name=coding] → completed at Stage 1 (odd id)

Click
1. Add Task(s) to Stage 1
2. Process NEXT from Stage 1 (move even IDs to Stage 2)
3. Display Queues
4. Exit
Enter the int value: 3
Stage 1: []
Stage 2: [[Task id=2, name=sleep]]

Click
1. Add Task(s) to Stage 1
2. Process NEXT from Stage 1 (move even IDs to Stage 2)
3. Display Queues
4. Exit
Enter the int value: 4
Exited from application
```

12)

<terminated> Assignment12 [Java Application] C:\Users\KARTHIK RAM\Downloads\spring-tools-app\sts-4.31

```
Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Enter patient name:
steve
Enter severity (1 = most severe):
3

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Enter patient name:
jack
Enter severity (1 = most severe):
2

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Enter patient name:
bahu
Enter severity (1 = most severe):
5

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Enter patient name:
Harsh
Enter severity (1 = most severe):
2

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Enter patient name:
Das
Enter severity (1 = most severe):
4

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
1
Queue full! Cannot admit new patient.

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
2
Treating: Patient : jack, severity=2

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
3
Current Waiting Patients: [Patient : Harsh, severity=2, Patient : steve , severity=3, Patient : Das, severity=4, Patient : bahu, severity=5]

Click
1. Add Patient
2. Treat Next
3. Display Queue
4. Exit
4
Exited from application
```