

TASK PERFORMANCE 3 - HANDS ON ACTIVITY

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MOVIE TIME

SYNTAX:

JAVA LANGUAGE

```
C: > Users > Gie > OneDrive > Documents > VScode > MovieTime.java > MovieTime > main(String[])
1  import java.util.Queue;
2  import java.util.Scanner;
3  import java.util.LinkedList;
4  public class MovieTime {
5      public static void main(String[] args) {
6          Scanner as = new Scanner (System.in);
7
8
9          Queue<String> Movies = new LinkedList<>();
10         Queue<String> Snack = new LinkedList<>();
11
12         for(int i = 1; i <= 3; i++){
13             System.out.print("Enter Movie " + i + " of 3: ");
14             String m = as.nextLine();
15             Movies.offer(m);
16         }
17         for(int i = 1; i <= 3; i++){
18             System.out.print("Enter Snack " + i + " of 3: ");
19             String s = as.nextLine();
20             Snack.offer(s);
21         }
22     }
23 }
```

```
C: > Users > Gie > OneDrive > Documents > VScode > MovieTime.java > ...
22
23     System.out.println("Movies to watch are: dequeue(" + Movies + ")");
24     System.out.println("Movies to watch are: dequeue(" + Snack + ")");
25
26     while (true) {
27         System.out.println("Press S each time you finish a snack.");
28         String kain = as.nextLine();
29
30         if (kain.equalsIgnoreCase("S")) {
31             Snack.poll();
32         }
33         if (!Snack.isEmpty()) {
34             System.out.println("dequeue(" + Snack + ")");
35         }
36         else if (Snack.isEmpty()) {
37             System.out.println("No more snacks");
38             break;
39         }
40         else {
41             System.out.println("INVALID INPUT");
42         }
43     }
44 }
45 }
```

OUTPUT:

```
PS C:\Users\Gie> & 'C:\Program Files\Microsoft\jdk-11.0.12.7-hotspot\bin\java.exe' '-cp' 'C:\Users\Gie\AppData\Local\Temp\vscodesws_7c46d\jdt_ws\jdt.ls-java-proj
ect\bin' 'MovieTime'
Enter Movie 1 of 3: The Conjuring 3
Enter Movie 2 of 3: Fast & Furious 9
Enter Movie 3 of 3: Godzilla vs. Kong
Enter Snack 1 of 3: Popcorn
Enter Snack 2 of 3: Cheesedog
Enter Snack 3 of 3: Milk tea
Movies to watch are: dequeue([The Conjuring 3, Fast & Furious 9, Godzilla vs. Kong])
Movies to watch are: dequeue([Popcorn, Cheesedog, Milk tea])
Press S each time you finish a snack.
S
dequeue([Cheesedog, Milk tea])
Press S each time you finish a snack.
S
dequeue([Milk tea])
Press S each time you finish a snack.
S
No more snacks
PS C:\Users\Gie>
```

SYNTAX:

PYTHON LANGUAGE:

```
C: > Users > Gie > OneDrive > Documents > VScode > movie_time.py > ...
1  from collections import deque
2
3  Movies = deque([])
4  Snacks = deque([])
5
6  for i in range(1, 3 + 1):
7      m = input("Enter Movie " + str(i) + " of 3: ")
8      Movies.append(m)
9
10 for i in range(1, 3 + 1):
11     s = input("Enter Movie " + str(i) + " of 3: ")
12     Snacks.append(s)
13
14 print("Movies to watch are:" + str(Movies))
15 print("Snacks to eat are:" + str(Snacks))
16
17 while len(Snacks) > 0:
18     eats = input("Press S to eat a Snack: ")
19     if eats.upper() == "S":
20         Snacks.popleft()
21     if not Snacks:
22         print("No more Snack")
23         break
24     print(Snacks)
```

OUTPUT:

```
PS C:\Users\Gie> & "C:/Program Files (x86)/Microsoft Visual Studio/Shared/Python39_64/python.exe" c:/Users/Gie/OneDrive/Documents/VScode/movie_time.py
Enter Movie 1 of 3: The Conjuring 3
Enter Movie 2 of 3: Fast & Furious 9
Enter Movie 3 of 3: Godzilla vs. Kong
Enter Movie 1 of 3: Popcorn
Enter Movie 2 of 3: Cheesedog
Enter Movie 3 of 3: Milk tea
Movies to watch are:deque(['The Conjuring 3', 'Fast & Furious 9', 'Godzilla vs. Kong'])
Snacks to eat are:deque(['Popcorn', 'Cheesedog', 'Milk tea'])
Press S to eat a Snack: S
deque(['Cheesedog', 'Milk tea'])
Press S to eat a Snack: S
deque(['Milk tea'])
Press S to eat a Snack: S
No more Snack
PS C:\Users\Gie>
```