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CSCI260 – W03
Assignment #9a

```
1 package Assignment9a;
2 import java.util.PriorityQueue;
3 public class Pq {
4     Run | Debug
5     public static void main(String[] args) {
6         // Create a Priority Queue
7         PriorityQueue<Integer> numbers = new PriorityQueue<>()
8
9         // Add items to a Priority Queue (ENQUEUE)
10        numbers.add(e:750);
11        numbers.add(e:500);
12        numbers.add(e:900);
13        numbers.add(e:100);
14
15        // Remove items from the Priority Queue (DEQUEUE)
16        while (!numbers.isEmpty()) {
17            System.out.println(numbers.remove());
18        }
19    }
20 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit <https://support.apple.com/kb/HT208050>.
Navrajs-MacBook-Pro:CSCI260 navraj\$ /usr/bin/env /Library/Java/JavaVirtualMachine/ShowCodeDetailsInExceptionMessages -cp /Users/navraj/Library/Application\ Support/Java/JavaVirtualMachine/41940cadd3fb422dca/redhat.java/jdt_ws/CSCI260_7aa9f3d1/bin Assignment9a.
100
500
750
900

```

1  package Assignment9a;
2
3  import java.util.Comparator;
4  import java.util.PriorityQueue;
5  public class Pqlength {
    Run | Debug
6      public static void main(String[] args) {
7          // A custom comparator that compares two Strings by their length.
8          Comparator<String> stringLengthComparator = new Comparator<String>() {
9              @Override
10             public int compare(String s1, String s2) {
11                 return s1.length() - s2.length();
12             }
13         };
14
15         // Create a Priority Queue with a custom Comparator
16         PriorityQueue<String> namePriorityQueue = new PriorityQueue<>(stringLengthComparator);
17
18         // Add items to a Priority Queue (ENQUEUE)
19         namePriorityQueue.add(e:"Lisa");
20         namePriorityQueue.add(e:"Robert");
21         namePriorityQueue.add(e:"John");
22         namePriorityQueue.add(e:"Chris");
23         namePriorityQueue.add(e:"Angelina");
24         namePriorityQueue.add(e:"Joe");
25
26         // Remove items from the Priority Queue (DEQUEUE)
27         while (!namePriorityQueue.isEmpty()) {
28             System.out.println(namePriorityQueue.remove());
29         }
30     }
31 }

```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```

To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Navrajs-MacBook-Pro:CS1260 navraj$ /usr/bin/env /Library/Java/JavaVirtualMachines/jdk-19.jdk/Contents/Home/bin/java -cp /Users/navraj/Library/Application\ Support/Code/User/workspaceStorage/f8c5eb56ef083741940cadd3fb422dca/re
ngth
Joe
John
Lisa
Chris
Robert
Angelina

```

```

1  package Assignment9a;
2
3  import java.util.PriorityQueue;
4  public class Pqstring {
5      Run | Debug
6      public static void main(String[] args) {
7          // Create a Priority Queue
8          PriorityQueue<String> namePriorityQueue = new PriorityQueue<>();
9
10         // Add items to a Priority Queue (ENQUEUE)
11         namePriorityQueue.add(e:"Lisa");
12         namePriorityQueue.add(e:"Robert");
13         namePriorityQueue.add(e:"John");
14         namePriorityQueue.add(e:"Chris");
15         namePriorityQueue.add(e:"Angelina");
16         namePriorityQueue.add(e:"Joe");
17
18         // Remove items from the Priority Queue (DEQUEUE)
19         while (!namePriorityQueue.isEmpty()) {
20             System.out.println(namePriorityQueue.remove());
21         }
22     }
23 +

```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

To update your account to use zsh, please run `chsh -s /bin/zsh`.
 For more details, please visit <https://support.apple.com/kb/HT208050>.
 Navrajs-MacBook-Pro:CSCI260 navraj\$ /usr/bin/env /Library/Java/JavaVirtualMachi
 ShowCodeDetailsInExceptionMessages -cp /Users/navraj/Library/Application\ Suppor
 41940cadd3fb422dca/redhat.java/jdt_ws/CSCI260_7aa9f3d1/bin Assignment9a.Pqstring
 Angelina
 Chris
 Joe
 John
 Lisa
 Robert