C:/Users/chewr/OneDrive/Documents/NetBeansProjects/DSAAssignment/src/adt/StackInterface.java

```
2 package adt;
 3
 4 /**
 5 *
 6 * @author Chew Lip Sin
 7 * @param <T> type of elements stored in the stack.
 8 */
 9 public interface StackInterface<T> {
10
       /**
11
12
        * Task: Adds a new entry to the top of the stack.
13
14
        * @param newEntry an object to be added to the stack
15
        * /
16
       public void push(T newEntry);
17
18
       /**
19
        * Task: Removes and returns the stack's top entry.
20
21
        * @return either the object at the top of the stack or, if the stack is
22
        * empty before the operation, null
23
        */
24
       public T pop();
25
26
       /**
27
        * Task: Retrieves the stack's top entry.
28
29
        * @return either the object at the top of the stack or null if the stack is
30
        * empty
31
        */
32
       public T peek();
33
34
       /**
35
        * Task: Detects whether the stack is empty.
36
37
        * @return true if the stack is empty
38
        */
39
       public boolean isEmpty();
40
41
       /**
42
        * Task: Removes all entries from the stack
43
44
       public void clear();
45
46
       /**
```

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```
\underline{C:/Users/chewr/OneDrive/Documents/NetBeansProjects/DSAAssignment/src/adt/StackInterface.java}
48
         * @return size of stack
49
        */
50
       public int size();
51 } // end StackInterface
```

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