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DEPARTMENT : SOFTWARE ENGG.

ASSIGNMENT : DISCRETE STRUCTURES.

SUBMITTED : SIR. Muhammad Aadil.

TO :

```
1 package ds;
2
3 public class Question1 {
4     public static void main (String [] args ) {
5         int[] name_of_list = {1,2,3};
6         for (int value : name_of_list) {
7             System.out.println(value);
8         }
9     }
10 }
11
12 }
13
```

Problems @ Javadoc Declaration Console Coverage

<terminated> Question1 [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:26:04 PM)

1
2
3
.

```
1 package ds;
2
3 public class Question1Partb {
4     public static void main (String [ ] args ) {
5         int [] a = {1,2,3,4};
6         int b = 0;
7         while (b <a.length) {
8             System.out.println(a[b]);
9             b++;
10        }
11    }
12
13 }
14
```

< >

Problems Javadoc Declaration Console Coverage

<terminated> Question1Partb [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:28:16 PM)

1
2
3
4
5

```
1 package ds;
2
3 import java.util.Arrays;
4
5 public class Question1partC {
6     public static void main (String [] args ) {
7         int[] a = {1,2,3,4};
8         System.out.println(Arrays.toString(a));
9         a= new int[] {1,2,3,4,5};
10        System.out.println(Arrays.toString(a));
11
12    }
13 }
14
15
```

Problems Javadoc Declaration Console Coverage

terminated> Question1partC [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:29:35 PM)

[1, 2, 3, 4]

[1, 2, 3, 4, 5]

```
1 package ds;
2
3 import java.util.Arrays;
4
5 public class Question1Partd {
6     public static void main (String [] args ) {
7         int [] a = {1,2,3,4};
8         System.out.println(Arrays.toString(a));
9         a = new int [] {1,2,3,4,5};
10        System.out.println(Arrays.toString(a));
11    }
12 }
13 )
14
```

Problems Javadoc Declaration Console Coverage

<terminated> Question1Partd [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:31:57 PM)

[1, 2, 3, 4]
[1, 2, 3, 4, 5]

```
1 package ds;
2
3 public class Question2 {
4     public static void main (String[ ] args ) {
5         int [] a = {1,2,3,4};
6         int b = 0;
7         int c = 3;
8         boolean d = false;
9         while (b< a.length && !d) {
10             if (a[b] ==c) {
11                 d = true;
12
13             }
14             else {
15                 b++;
16             }
17         }
18         if (d) {
19             System.out.println("Search Successfull");
20
21         }
22         else {
23             System.out.println("Search UnSuccessfull");
24         }
25     }
26 }
27 |
<
```




<terminated> Question2 [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:33:39 PM)

Search Successfull

```

3 public class Question4 {
4     public static void main (String[ ] args ) {
5         int[] a = {1,2,3,4};
6         int b = 0;
7         int c = a.length;
8         int d = 3;
9         boolean e = false;
10        while (b< a.length && !e) {
11            int x = ((b+c)/2);
12            if (d== a[x]) {
13                e = true;
14            }
15            else if (d< a[x]) {
16                b = x-1;
17            }
18            else {
19                b = x+1;
20            }
21        }
22        if (e) {
23            System.out.println("Search Successfull");
24        }
25        else {
26            System.out.println("Search UnSuccessfull");
27        }
28    }

```

Problems Javadoc Declaration Console Coverage
 
 terminated> Question2 [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jun 15, 2020, 2:33:39 PM)

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