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SUBJECT: DATA STRUCTURES

SEMESTER: 3RD

PROGRAMME: BS (SOFTWARE ENGINEERING)



Assignment.java

```
1 package codewithamit;
2
3 public class Assignment {
4
5     public static void main(String [] args) {
6         int [] name_of_list = {1,2,3,4};
7         for (int value: name_of_list) {
8             System.out.println(value); {
9         }
10
11     }
12 }
13
14 }
15
16
17
```

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 4:15:42 AM – 4:15:43 AM)

```
1
2
3
4
```

Task



Find

Outline





Assignment.java

```
1 package codewithamit;
2
3 public class Assignment {
4
5     public static void main(String [] args) {
6         int [] a= {1,2,3,4};
7         int b = 0;
8         while (b<a.length) {
9             System.out.println(a[b]); {
10                b++;
11            }
12        }
13    }
14 }
15
16 }
17
18
19
```

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 4:21:57 AM – 4:21:58 AM)

```
1
2
3
4
```



Assignment.java

```
1 package codewithamit;
2
3 import java.util.Arrays;
4 public class Assignment {
5
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};
10        System.out.println(Arrays.toString(a));
11    }
12 }
```

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 4:31:24 AM – 4:31:25 AM)

```
[1, 2, 3, 4]
[1, 2, 3, 4]
```



Assignment.java

```
1 package codewithamit;
2
3 import java.util.Arrays;
4 public class Assignment {
5
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 }
```

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 4:34:18 AM - 4:34:19 AM)

[1, 2, 3, 4]

[1, 2, 3, 4, 5]



Assignment.java

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

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 4:52:32 AM - 4:52:34 AM)

Search Successful



Assignment.java

```
4 public class Assignment {
5
6     public static void main(String [] args) {
7         int [] a= {1,2,3,4};
8         int b=0;
9         int c = a.length;
10        int d = 3;
11        boolean e = false;
12        while(b<a.length && !e ) {
13            int x = ((b+c)/2);
14            if (d == a[x]) {
15                e=true;
16            }
17            else if (d< a [x]) {
18                b= x-1;
19            }
20            else {
21                b=x+1;
22            }
23        }
24        if (e) {
25            System.out.println("Search Successful");
26        }
27        else {
28            System.out.println("Search Unsuccessful");
29        }
30    }
31 }
```

Problems @ Javadoc Console

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (Jun 16, 2020, 5:01:32 AM – 5:01:33 AM)

Search Successful