

Day 5 **java assignments.**
By/ Monish



JAVA_FILES — zsh — 80x27

```
[imonish8@Monishsacintosh JAVA_FILES % javac D5_1.java
[imonish8@Monishsacintosh JAVA_FILES % java D5_1
Index Found at: 5
[imonish8@Monishsacintosh JAVA_FILES % cat D5_1.java
public class D5_1{
    static int findIndex(int arr[], int target){
        int i;
        for(i = 0;i<arr.length;i++){
            if(arr[i] == target){
                return i;
            }
        }
        return i;
    }
    public static void main(String[] args){
        int arr[] = {11,35,64,642,6432,245,224};
        int len = arr.length;
        int found = findIndex(arr, 245);
        if(found != -1){
            System.out.println("Index Found at: "+found);
        }else{
            System.out.println("Index out of Range");
        }
    }
}
```

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```
[imonish8@Monishsacintosh JAVA_FILES % cat D5_2.java
public class D5_2{

    static int findAvgArray(int arr[]){
        int sum = 0;
        for(int i = 0;i< arr.length; i++){
            sum += arr[i];
        }

        return(sum / arr.length);

    }
    public static void main(String[] args){
        int arr[] = {12, 422, 4214, 24522, 24};
        int avg = findAvgArray(arr);
        System.out.println("The average sum is: "+avg);
    }
}
```

```
[imonish8@Monishsacintosh JAVA_FILES % javac D5_2.java
```

```
[imonish8@Monishsacintosh JAVA_FILES % java D5_2
```

```
The average sum is: 5838
```

```
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```



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```
imonish8@Monishsacintosh JAVA_FILES % javac D5_3.java
imonish8@Monishsacintosh JAVA_FILES % java D5_3
Element is available at index : 3
imonish8@Monishsacintosh JAVA_FILES % cat D5_3.java
public class D5_3{
    static int findElement(int arr[], int element){
        int i;
        for(i = 0;i < arr.length; i++){
            if(arr[i] == element){
                return i;
            }
        }
        return i;
    }
    public static void main(String[] args){
        int arr[] = {12,34, 53, 532, 5212};
        int found = findElement(arr, 532);
        if(found != -1){
            System.out.println("Element is available at inde
x : "+found);
        }else{
            System.out.println("Element not found, out of ra
nge");
        }
    }
}
imonish8@Monishsacintosh JAVA_FILES %
```

JAVA_FILES — -zsh — 80x27

```
[imonish8@Monishsacintosh JAVA_FILES % javac D5_4.java
[imonish8@Monishsacintosh JAVA_FILES % java D5_4
Element found at: 3
[imonish8@Monishsacintosh JAVA_FILES % cat D5_4.java
public class D5_4{

        static int searchElement(int arr[],int Element){
            int i;
            for(i = 0; i< arr.length; i++){
                if(arr[i] == Element){
                    return i;
                }
            }
            return i;
        }
        public static void main(String[] args){
            int arr[] = {1332, 3232, 242, 222};
            int found = searchElement(arr, 222);
            if(found != -1){
                System.out.println("Element found at: "+found);
            }else{
                System.out.println("Element out of Range -1");
            }
        }
}
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```

```
[imonish8@Monishsacintosh JAVA_FILES % time
shell 0.10s user 0.10s system 0% cpu 1:06:47.35 total
children 10.83s user 1.23s system 0% cpu 1:06:47.35 total
imonish8@Monishsacintosh JAVA_FILES %
```

```
[imonish8@Monishsacintosh JAVA_FILES % date
Wed Sep 11 20:04:04 IST 2024
[imonish8@Monishsacintosh JAVA_FILES % time
shell 0.10s user 0.11s system 0% cpu 1:10:01.07 total
children 10.83s user 1.24s system 0% cpu 1:10:01.07 total
imonish8@Monishsacintosh JAVA_FILES %
```

```
[imonish8@Monishsacintosh JAVA_FILES % date
Wed Sep 11 20:04:04 IST 2024
[imonish8@Monishsacintosh JAVA_FILES % time
shell 0.10s user 0.11s system 0% cpu 1:10:01.07 total
children 10.83s user 1.24s system 0% cpu 1:10:01.07 total
[imonish8@Monishsacintosh JAVA_FILES % ls -lh D5_4.java
-rw-r--r-- 1 imonish8 staff 453B Sep 11 19:57 D5_4.java
[imonish8@Monishsacintosh JAVA_FILES % ls -lh D5_3.java
-rw-r--r-- 1 imonish8 staff 469B Sep 11 19:37 D5_3.java
[imonish8@Monishsacintosh JAVA_FILES % ls -lh D3_2.java
-rw-r--r-- 1 imonish8 staff 489B Sep 10 07:43 D3_2.java
imonish8@Monishsacintosh JAVA_FILES % |
```



Java I/O — -zsh — 80x24

```
Last login: Fri Sep 13 07:47:08 on ttys000
[imonish8@Monishsacintosh ~ % cd /Users/imonish8/Downloads/Your\ I\:0/Code/data-s
cience/Java\ I\:0
[imonish8@Monishsacintosh Java I:0 % nano D5_5.java
[imonish8@Monishsacintosh Java I:0 % javac D5_5.java
[imonish8@Monishsacintosh Java I:0 % java D5_5
Current date and time: 2024-09-14 10:44:37
imonish8@Monishsacintosh Java I:0 %
```

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Submitted by Monish