

- Take 10 integers as input from the user in an array and then search a number in it.

```
Tanvir > J NumberSearch.java > numbersearch > main(String[])
1 package Tanvir;
2 import java.util.Scanner;
3
4 public class numbersearch {
5     public static void main(String[] args){
6         Scanner scanner=new Scanner (System.in);
7         int [] arr=new int[10];
8         System.out.println(x:"Enter 10 numbers:");
9         for(int i=0;i<10;i++){
10             System.out.print("Enter number"+(i+1)+" :");
11             arr[i]=scanner.nextInt();
12         }
13         System.out.print(s:"Enter the number you want to search:");
14         int searchNum=scanner.nextInt();
15
16         boolean found=false;
17         for(int i=0;i<arr.length;i++){
18             if(arr[i]==searchNum){
19                 found=true;
20                 break;
21             }
22         }
23         if(found){
24             System.out.println("The number " + searchNum + "is found in the array");
25         }else{
26             System.out.println("The number " + searchNum +"is not found in the array");
27         }
28         scanner.close();
29     }
30 }
31 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\hossa\OneDrive\Desktop\JAVA> c:; cd 'c:\Users\hossa\OneDrive\Desktop\JAVA'; & 'C:\Program Files\Java\jdk-23\bin\java.exe' '--enable-preview' '-XX:+S
ssa\AppData\Roaming\Code\User\workspaceStorage\7eadbb8b05a50872d49d45f46704a2dc\redhat.java\jdt_ws\JAVA_8149318c\bin' 'Tanvir.numbersearch'
Enter 10 numbers:
Enter number1:0
Enter number2:1
Enter number3:2
Enter number4:3
Enter number5:4
Enter number6:5
Enter number7:6
Enter number8:7
Enter number9:8
Enter number10:9
Enter the number you want to search:6
The number 6is found in the array
PS C:\Users\hossa\OneDrive\Desktop\JAVA>
```

- Take a string as input from the user and count the occurrence of a character in it.

```
Tanvir > J CharacterCount.java > CharacterCount > main(String[])
1 package Tanvir;
2 import java.util.Scanner;
3
4 public class CharacterCount {
5     public static void main(String[] args) {
6
7         Scanner scanner = new Scanner(System.in);
8         System.out.print(s:"Enter a string: ");
9         String userInput = scanner.nextLine();
10        System.out.print(s:"Enter the character to count: ");
11        char charToCount = scanner.next().charAt(index:0);
12
13        int count = 0;
14        for (int i = 0; i < userInput.length(); i++) {
15            if (userInput.charAt(i) == charToCount) {
16                count++;
17            }
18        }
19
20        System.out.println("The character " + charToCount + " appears " + count + " times in the string.");
21        scanner.close();
22    }
23 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\hossa\OneDrive\Desktop\JAVA> & 'C:\Program Files\Java\jdk-23\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-7eadbb8b05a50072d49d45f46704a2dc\redhat.java\jdt_ws\JAVA_8149318c\bin' 'Tanvir.CharacterCount'
Enter a string: Hello World
Enter the character to count: l
The character 'l' appears 3 times in the string.
PS C:\Users\hossa\OneDrive\Desktop\JAVA>
```

- Take a string as input from the user and replace a character in it and print updated string.

```
Tanvir > J ReplaceCharacter.java > ReplaceCharacter > main(String[])
1 package Tanvir;
2 import java.util.Scanner;
3 public class ReplaceCharacter {
    Run | Debug
4     public static void main(String[] args){
5         Scanner scanner=new Scanner (System.in);
6         System.out.print(s:"Enter a string:");
7         String userInput=scanner.nextLine();
8         System.out.print(s:"Enter the character to replace:");
9         char oldChar=scanner.next().charAt(index:0);
10        System.out.print(s:"Enter the new character: ");
11        char newChar=scanner.next().charAt(index:0);
12        String updatedString=userInput.replace(oldChar,newChar);
13        System.out.println("Updated string:"+updatedString);
14        scanner.close();
15
16
17    }
18 }
19
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\hossa\OneDrive\Desktop\JAVA> & 'C:\Program Files\Java\jdk-23\bin\java.exe' '--enable-preview' '-XX:+ShowCod
7eadbb8b05a50072d49d45f46704a2dc\redhat.java\jdt_ws\JAVA_8149318c\bin' 'Tanvir.ReplaceCharacter'
Enter a string:helllo
Enter the character to replace:h
Enter the new character: b
Updated string:belllo
PS C:\Users\hossa\OneDrive\Desktop\JAVA> |
```

- Take your full name as input in a single scan statement and print it in single print statement.

```
Tanvir > J FullNameInput.java > FullFullNameInput
1 package Tanvir;
2 import java.util.Scanner;
3
4 public class FullNameInput {
5     Run | Debug
6     public static void main(String[] args) {
7
8         Scanner scanner = new Scanner(System.in);
9         System.out.print(s:"Enter your full name: ");
10        String fullName = scanner.nextLine();
11
12        System.out.println("Your full name is: " + fullName);
13
14
15        scanner.close();
16    }
17 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\hossa\OneDrive\Desktop\JAVA> & 'C:\Program Files\Java\jdk-23\bin\java.exe' '--enable-preview' '-XO
7eadbb8b05a50072d49d45f46704a2dc\redhat.java\jdt_ws\JAVA_8149318c\bin' 'Tanvir.FullNameInput'
Enter your full name: Tanvir Ahmed khan
Your full name is: Tanvir Ahmed khan
PS C:\Users\hossa\OneDrive\Desktop\JAVA> |
```