

Java Lab 4

Sreehari P Sreedhar

CB.SC.I5DAS20032

```
/*2. Write a Java program to accept the strings from the user and print the ascii value of the individual character in the string.*/
package Lab4;
import java.util.Scanner;
public class asciiChars {
```

Java Lab 4

```
public static void main(String[] args ){
    try (Scanner input = new Scanner(System.in)) {
        String str = input.nextLine();

        for (int i = 0; i < str.length(); i++) {
            System.out.println((int) str.charAt(i));
        }
    }
}</pre>
```

(base) D:\GitHub\Coursework-Sem5> cmd /C ""C:\Program Files\Eclipse Adoptium\jdk-17.0.4.8-hotspot\bin\java.exe" -XX:+ShowCodeDetailsInExceptionMessages -cp C:\Users\orect\AppData\Roaming\Code\User\workspaceStorage\69deb733d255d3ccde7531c6d2668886\redhat.java\jdt_ws\Coursework-Sem5_a1544248\bin Lab3.asciiChars "
808
66
79

```
/*3. Write a Java program to find the maximum and minimum element in an array.*/
package Lab4:
import java.util.Scanner;
import java.util.Arrays;
public class minMax {
    public static void main(String[] args ){
       try (Scanner input = new Scanner(System.in)) {
            System.out.println("Enter the number of elements in the array: ");
            int len = input.nextInt();
            System.out.println("Enter the elements of the array: ");
            int[] arr = new int[len];
            int min = Integer.MAX_VALUE;
            int max = Integer.MIN_VALUE;
            for (int i = 0; i < len; i++) {
    arr[i] = input.nextInt();</pre>
                if (arr[i] < min) {
                    min = arr[i];
                if (arr[i] > max) {
                    max = arr[i];
            System.out.println(Arrays.toString(arr));
            System.out.println("Min: " + min);
            System.out.println("Max: " + max);
        }
   }
}
```

```
(base) D:\GitHub\Coursework-Sem5> cmd /C ""C:\Program Files\Eclipse Adoptium\jdk-17.0.4.8-hotspot\bin\java.exe" -XX:+ShowCodeDetailsInExceptionMessages -cp C:\Users\orect\AppData\Roaming\Code\User\workspaceStorage\Gode\Disp\frac{1}{2} \frac{1}{2} \frac{1}{2}
```

```
/*4. Write a Java program to transform a given integer to String format.*/
package Lab4;
```

Java Lab 4

```
import java.util.Scanner;

public class numString {
    public static void main(String[] args ){
        try (Scanner input = new Scanner(System.in)) {
            int num = input.nextInt();

            System.out.println(String.valueOf(num));
        }
    }
}
```

```
/*5. Write a Java program to find a substring inside a string (Both accepted from the user as input).*/
package Lab4;
import java.util.Scanner;

public class checkSubstring {
    public static void main (String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            System.out.println("Enter string: ");
            String str = input.nextLine();
            System.out.println("Enter substring: ");
            String sub = input.nextLine();

            System.out.println("Substring in string: " + str.contains(sub));
        }
    }
}
```

(base) D:\GitHub\Coursework-Sem5> cmd /C ""C:\Program Files\Eclipse Adoptium\jdk-17.0.4.8-hotspot\bin\java.exe" -XX:HShowCodeDetailsInExceptionMessages -cp C:\Users\orect\AppData\Roami.
ng\Code\User\workspaceStorage\69deb733d255d3ccde7531c6d2668886\redhat.java\jdt_ws\Coursework-Sem5_a1544248\bin Lab3.checkSubstring "
Enter string:
Parent String Test
Enter substring:
Ing
Substring:
S

Java Lab 4