

Assignment-3

1. Declare two variables of type int and assign values to them. Add the two variables together and print the result.

Code:

Question1.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question1 {
4     //Addition of Two Integers
5     public static void main(String[] args) {
6         int var1;
7         int var2;
8         var1 = 23;
9         var2 = 44;
10        System.out.println("Addition of Two Number is:"+(var1+var2));
11    }
12
13 }
14
```

Codeshare Link: <https://codeshare.io/8plwMD>

Output:

```
Addition of Two Number is:67
```

2. Declare two variables of type double and assign values to them. Multiply the two variables together and print the result.

Code:

Question2.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question2 {
4     //Multiplication of two Double
5     public static void main(String[] args) {
6         double var1;
7         double var2;
8         var1 = 23.322;
9         var2 = 3.142;
10        System.out.println("Multiplication of Two Number is:"+(var1*var2));
11    }
12 }
```

Codeshare Link: <https://codeshare.io/lon1y8>

Output:

```
Multiplication of Two Number is:73.277723999999999
```

3.Declare two variables of type Boolean and assign values to them. Print out the value of the logical AND operator applied to the two variables.

Code:

Question3.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question3 {
4     //Boolean AND operation
5     public static void main(String[] args) {
6         boolean var1;
7         boolean var2;
8         var1 = true;
9         var2 = false;
10        System.out.println("AND operation of Two Boolean is:"+(var1&&var2));
11    }
12
13 }
```

Codeshare Link: <https://codeshare.io/78m6B1>

Output:

```
AND operation of Two Boolean is:false
```

4.Declare a variable of type String and assign it a value. Use the String class method length() to print out the length of the string.

Code: Question4.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question4 {
4     //Using length()
5     public static void main(String[] args) {
6         String name;
7         name = "Mohammed Fawaz";
8         System.out.println("Legnth of String is:"+name.length());
9     }
10 }
```

Codeshare Link: <https://codeshare.io/MNEMKy>

Output:

```
Legnth of String is:14
```

5.Declare a variable of type String and assign it a value. Use the String class method to Uppercase() to print out the string in all uppercase letters.

Code:

Question5.java

```
package com.tecnotree.Assignment3;

public class Question5 {
    //Use of toUpperCase Method
    public static void main(String[] args) {
        String name;
        name = "mohammed fawaz";
        System.out.println("UpperCasing the name:"+name.toUpperCase());
    }
}
```

Codeshare Link: <https://codeshare.io/xv41od>

Output:

```
UpperCasing the name:MOHAMMED FAWAZ
```

6.Declare a variable of type String and assign it a value. Use the String class method substring() to print out a portion of the string.

Code:

Question6.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question6 {
4     //using substring()
5     public static void main(String[] args) {
6         String name;
7         name = "Mohammed Fawaz";
8         System.out.println("Sub String of the name:"+name.substring(6));
9     }
10 }
```

Codeshare Link: <https://codeshare.io/BA7kBp>

Output:

```
Sub String of the name:ed Fawaz
```

7. Declare a variable of type String and assign it a value. Use the String class method `indexOf()` to find the index of a specific character in the string.

Code:

Question7.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question7 {
4     //Using indexOf()
5     public static void main(String[] args) {
6         String name;
7         name = "Mohammed Fawaz";
8         System.out.println("Getting a value from index:"+name.indexOf('F'));
9     }
10 }
```

Codeshare Link: <https://codeshare.io/JbM4wn>

Output:

```
Getting a value from index:9
```

8. Declare a variable of type char, and assign it a value. Convert the character to its ASCII code and print out the result.

Code:

Quesion8.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question8 {
4     public static void main(String[] args) {
5         //ASCII value
6         char a = 'A';
7
8         //Assigning char a to int b
9         int b = a;
10
11         //printing char as int to get ASCII value
12         System.out.println("The ASCII value of "+a+" is:"+b);
13     }
14 }
15 }
```

Codeshare Link: <https://codeshare.io/zyA1kW>

Output:

```
The ASCII value of A is:65
```

9.Declare a variable of type int, and assign it a value. Convert the integer to a String and print out the result.

Code:

Question9.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question9 {
4     //Integer to String
5     public static void main(String[] args) {
6         int number = 7;
7         String intNumber = "";
8         intNumber += number;
9         System.out.println("Number "+number+" is now String "+intNumber);
10    }
11 }
```

Codeshare Link: <https://codeshare.io/dwQVbZ>

Output:

```
Number 7 is now String 7
```

9.Declare a variable of type double, and assign it a value. Convert the double to an int and print out the result.

Code:

Question10.java

```
1 package com.tecnotree.Assignment3;
2
3 public class Question10 {
4     //double to int
5     public static void main(String[] args) {
6         double var = 3.142d;
7         int a;
8         a = (int) var;
9         System.out.println("Double "+var+" is now int "+a);
10    }
11
12 }
```

Codeshare Link: <https://codeshare.io/OdEp8j>

Output:

```
Double 3.142 is now int 3
```