

## 23BAI1117 – BCSE103E – Java

### 25/07/2024 – Day3

<https://github.com/sriram-s-23BAI1117/javap>

1)

```
public class ArraytoString{
    Run | Debug
    public static void main(String[] args) {
        char[] helloArray = {'h','e','l','l','o','.'};
        String helloString =new String(helloArray);
        System.out.println(helloString);
    }
}
```

```
ex3@HOSTCCL:~/23bai1117$ ./
af9bf/bin ArraytoString
hello.
```

2)

```
import java.util.Scanner;

public class calculator {
    public static void main(String[] args) {
        while (true){
            Scanner scan = new Scanner(System.in);
            System.out.print("Enter the required operation: +,-,*,/,^ or 'q' to
quit :- ");
            char input =scan.nextLine().charAt(0);
            if (input == 'q'){
                System.out.println("Thank you for using!!");
                break;
            }
            int num1,num2;

            switch (input) {
                case '+':
                    System.out.print("Enter the two operands: ");
                    num1 = scan.nextInt();
                    num2 = scan.nextInt();
                    System.out.printf("%d + %d = %d\n",num1,num2,num1+num2);
                    break;
                case '-':
                    System.out.print("Enter the two operands: ");
                    num1 = scan.nextInt();
                    num2 = scan.nextInt();
                    System.out.printf("%d - %d = %d\n",num1,num2,num1-num2);
                    break;
                case '*':
                    System.out.print("Enter the two operands: ");
                    num1 = scan.nextInt();
                    num2 = scan.nextInt();
```

```

        System.out.printf("%d * %d =
%.2f\n", num1, num2, (float) num1 * num2);
        break;
    case '/':
        System.out.print("Enter the two operands: ");
        num1 = scan.nextInt();
        num2 = scan.nextInt();
        System.out.printf("%d / %d =
%.2f\n", num1, num2, (float) num1 / num2);
        break;
    case '^':
        System.out.print("Enter the two operands: ");
        num1 = scan.nextInt();
        num2 = scan.nextInt();
        System.out.printf("%d ^ %d = %.2f\n", num1, num2, Math.pow(num1,
num2));
        break;
    default:
        System.out.println("Invalid input. Try again!");
        break;
    }
    //scan.close();
}
}
}
}

```

```

\workspaceStorage\df070269114bad7e7ee0ccada7d67122\redhat.java\jdt_ws\
Enter the required operation: +,-,*,/,^ or 'q' to quit :- +
Enter the two operands: 8 16
8 + 16 = 24
Enter the required operation: +,-,*,/,^ or 'q' to quit :- -
Enter the two operands: 65 4
65 - 4 = 61
Enter the required operation: +,-,*,/,^ or 'q' to quit :- *
Enter the two operands: 4 90
4 * 90 = 360.00
Enter the required operation: +,-,*,/,^ or 'q' to quit :- /
Enter the two operands: 32 11
32 / 11 = 2.91
Enter the required operation: +,-,*,/,^ or 'q' to quit :- ^
Enter the two operands: 2
5
2 ^ 5 = 32.00
Enter the required operation: +,-,*,/,^ or 'q' to quit :- t
Invalid input. Try again!
Enter the required operation: +,-,*,/,^ or 'q' to quit :- q
Thank you for using!!

```