

# Average Calculator

Input:

```
import java.util.Scanner;

public class AverageCalc{
    public static void main(String[] args){

        Scanner input = new Scanner(System.in); //Creating a scanner object

        System.out.println("You need to enter three whole numbers in order to calculate it's average.");

        System.out.println("Enter the first number:"); //Asking to enter number 1
        double no1 = input.nextDouble(); //Declaring and storing the input of first number

        System.out.println("Enter the second number:"); //Asking to enter number 2
        double no2 = input.nextDouble(); //Declaring and storing the input of second number

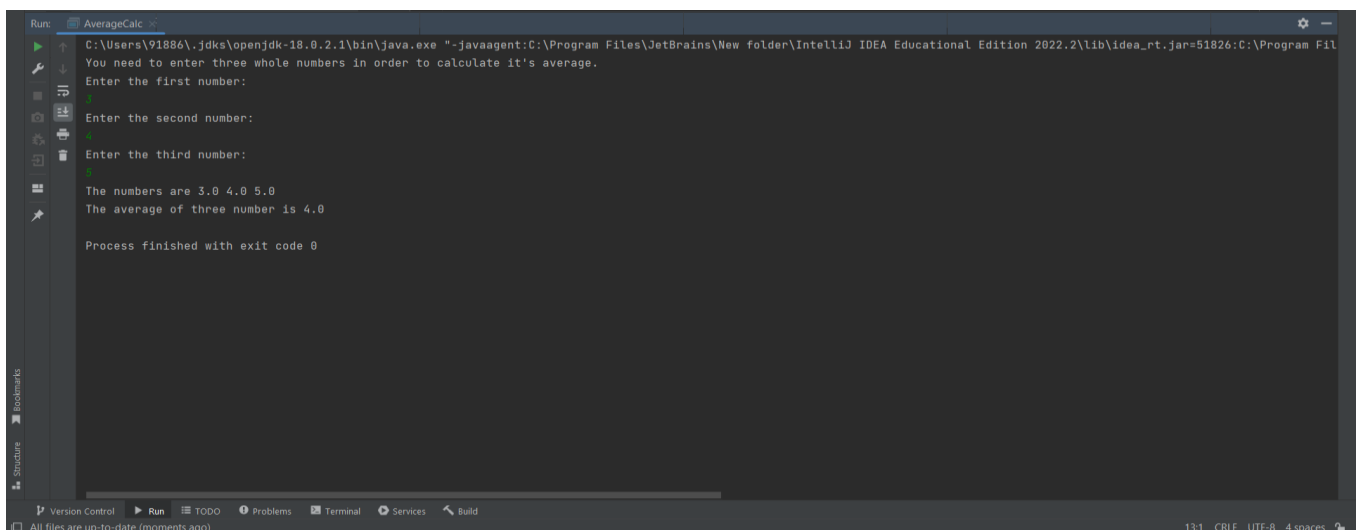
        System.out.println("Enter the third number:"); //Asking to enter number 3
        double no3 = input.nextDouble(); //Declaring and storing the input of third number

        System.out.println("The numbers are " + no1 + " " + no2 + " " + no3);

        double avg = (no1+no2+no3)/3; //Declaration, assignment and computation of average

        System.out.println("The average of three number is " + avg); //Printing the average
    }
}
```

Output:



```
Run: AverageCalc
C:\Users\91886\jdk\openjdk-18.0.2.1\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Educational Edition 2022.2\lib\idea_rt.jar=51826:C:\Program Fil
You need to enter three whole numbers in order to calculate it's average.
Enter the first number:
Enter the second number:
Enter the third number:
The numbers are 3.0 4.0 5.0
The average of three number is 4.0
Process finished with exit code 0
```

The average calculator code was pretty interesting as due to it my scanner skills got enhanced. It also gave me different approach to think about scanner. I did not face much challenges with this program, and had fun making a calculator.

# Knock Knock Joke

Input:

```
/*
 * Assignment: Project 1
 * Description: Knock Knock Joke
 * Name: Thumar, Grishma Maheshbhai
 * ID: 922950012
 * Class: CSC 210-01
 * Semester: Fall 2022
 */

import java.util.Scanner;

public class KnockKnock {
    public static void main(String[] args){

        Scanner input = new Scanner(System.in);    //Creating a scanner object

        System.out.println("Knock Knock!");        //Printing the starting statement of joke

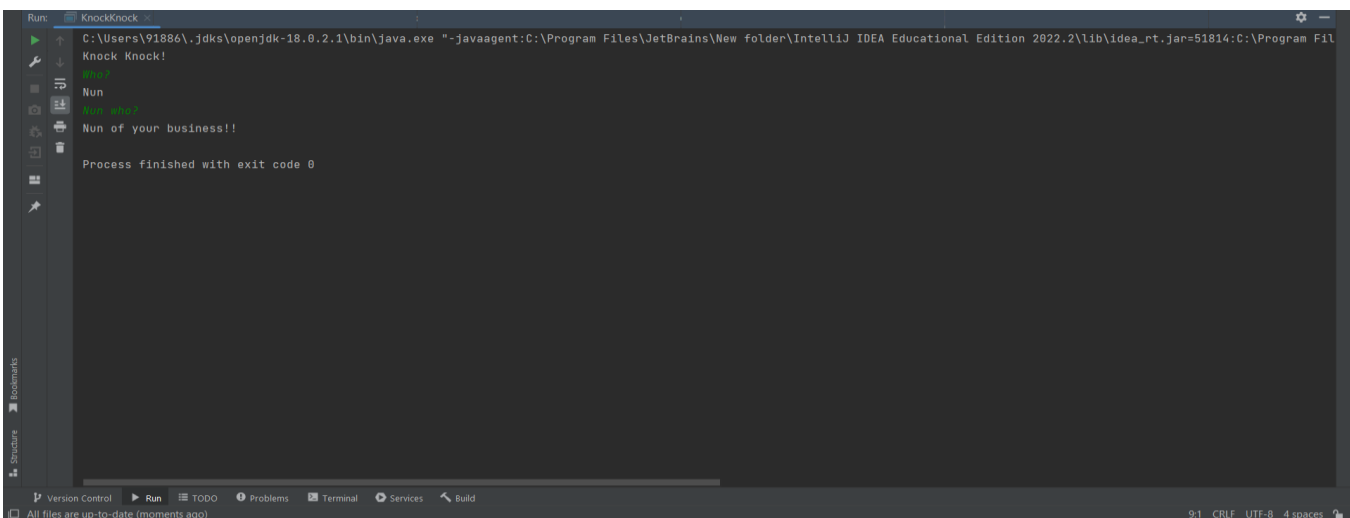
        String whoque = input.nextLine();          //Prompt question from user

        System.out.println("Nun");                 //Printinng the name

        String nameque = input.nextLine();          //Prompt user to ask question based on name

        System.out.println("Nun of your business!!");//Replying to the asked question
    }
}
```

Output:



```
Run: KnockKnock
C:\Users\91886\.jdk\openjdk-18.0.2.1\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Educational Edition 2022.2\lib\idea_rt.jar=51814:C:\Program Fil
Knock Knock!
Nun
Nun of your business!!
Process finished with exit code 0
```

The knock knock joke was completely different experience because it was the first time, I was about to use scanner with the string. The challenge faced by me with it was how to use string in the scanner. In order to resolve it, I went through the textbook and also gone through various sites, and after trying various methods finally found one. At the end I was pleased by me, as I was able to do it without any assistance which gave me a confidence to solve those types of problems.

# My Own Idea

Input:

```
//Male nested if else
if(gender==1){
    System.out.println("You selected male");
    System.out.println("");
    System.out.println("Formal Pair=1");
    System.out.println("Informal Pair=2");
    System.out.println("Select your category::");
    int category = input.nextInt();

    //Switch case in order to select category and make payment
    switch(category){
        case 1:
            System.out.println("Formal Pair Price = $" + price1);
            System.out.println("");
            System.out.println("Enter your payment:");
            int formalpay = input.nextInt();
            if(formalpay==price1){
                System.out.println("Successfull!!");
            }
            else{
                System.out.println("Enter the correct amount.");
            }
            break;

        case 2:
            System.out.println("Informal Pair Price = $" + price2);
            System.out.println("");
            System.out.println("Enter your payment");
            int informalpay = input.nextInt();
            if(informalpay==price2){
                System.out.println("Successfull!!");
            }
            else{
                System.out.println("Enter the correct amount.");
            }
            break;
    }
}
```

Output:

```
Run: MyOwnIdea
C:\Users\91886\.jdk\openjdk-18.0.2.1\bin\java.exe "-javaagent:C:\Program Files\JetBrains\New folder\IntelliJ IDEA Educational Edition 2022.2\lib\idea_rt.jar=51802:C:\Program Fil
Welcome to your Shopping Cart!!

Male = 1
Female = 2
Kids = 3
Enter Gender you want to shop for::
1
You selected male

Formal Pair=1
Informal Pair=2
Select your category::
1
Formal Pair Price = $30

Enter your payment:
30
Successfull!!

Process finished with exit code 0
```

With My Own Idea, I created a Shopping Cart using print statement, scanner, if-else, and switch statements. It is a program where in the user first needs to enter the gender which they want to shop for which is coded using the if-else statement, thereby it displays the

selected gender and the categories available such as formal or informal clothes. Afterwards, one needs to select the category, and then it displays the price, then one needs to enter the correct amount for payment which is done with the help of switch statement and if-else statement. If the amount is correct then only it shows successful, otherwise it tells to enter the correct amount. Finally, the code is completed. All the logic behind it is based on how to use scanner in order to enter and display the values as well as how to use the if-else statement and switch case in a proper way that is in a correct sequence. Another challenging thing was that at first, I only did the code with if-else statements, but then I decided to change some of it with switch case so I needed to make few updates in the code, especially with the curly braces which was at time confusing. It was too engaging for me as I got a chance to explore it.