avg.java - Notepad

File Edit Format View Help

```
/*Q.1
Write a Java program that takes five numbers as input to calculate and print
the average of the numbers.
Test Data:
Input first number: 10
Input second number: 20
Input third number: 30
Input fourth number: 40
Enter fifth number: 50*/



class avg {
 public static void main(String[] args) {
System.out.println("The five numbers are " +10+" " +20+" "  +30+" "  +40+" "  +50);
  int num1 = 10;
  int num2 = 20;
  int num3 = 30;
  int num4 = 40;
  int num5 = 50;
  System.out.println("Average of five numbers is: " +
   (num1 + num2 + num3 + num4 + num5) / 5);
 }
}
```

C:\Windows\System32\cmd.exe

```
C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>javac avg.java

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>java avg
The five numbers are 10 20 30 40 50
Average of five numbers is: 30

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>
```

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swap.java - Notepad

File Edit Format View Help

```
/*Q.2
Java: Swapping two variables
Swapping two variables refers to mutually exchanging the values of the
variables. Generally, this is done with the data in memory.*/



class swap{

 public static void main(String[] args) {

   int a, b, temp;
   a = 15;
   b = 27;
   System.out.println("a & b = "+a+", "+ + b);
   temp = a;
   a = b;
   b = temp;
  System.out.println("After swapping a & b = "+a+", "+ + b);
 }
 }
```

C:\Windows\System32\cmd.exe

```
C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>javac swap.java

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>java swap
a & b = 15, 27
After swapping a & b = 27, 15

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>
```

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install.java - Notepad

File Edit Format View Help

```
/*Q.3
Write a Java program to check whether Java is installed on your computer.*/


class install{
public static void main(String[] args) {
    System.out.println("\nJava Version: "+System.getProperty("java.version"));
    System.out.println("Java Runtime Version: "+System.getProperty("java.runtime.version"));
    System.out.println("Java Home: "+System.getProperty("java.home"));
    System.out.println("Java Vendor: "+System.getProperty("java.vendor"));
    System.out.println("Java Vendor URL: "+System.getProperty("java.vendor.url"));
    System.out.println("Java Class Path: "+System.getProperty("java.class.path")+"\n");
 }
}
```

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>javac install.java

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>java install

Java Version: 1.8.0_341
Java Runtime Version: 1.8.0_341-b10
Java Home: C:\Program Files\Java\jre1.8.0_341
Java Vendor: Oracle Corporation
Java Vendor URL: http://java.oracle.com/
Java Class Path: .


C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>
```

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maths.java - Notepad

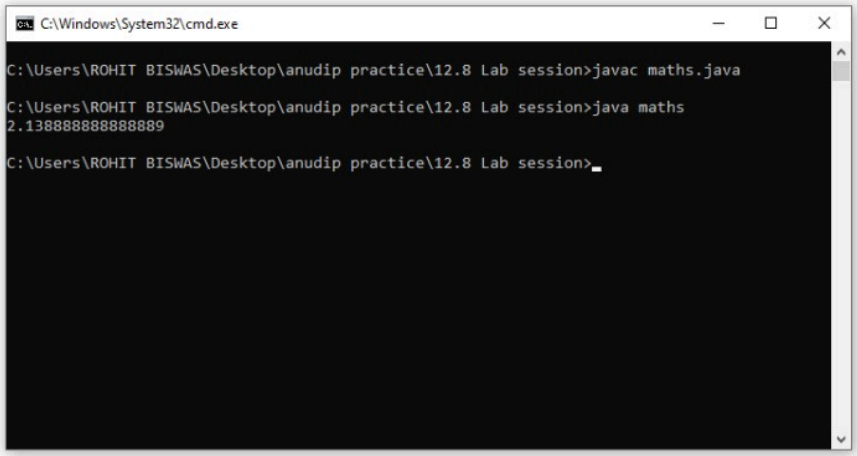
File Edit Format View Help

```
/*Q.4
Write a Java program to compute the specified expressions and print the
output.
Specified Expression:
(25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5)*/

class maths{

    public static void main(String[] arg) {

        System.out.println((25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5));
    }
}
```



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*cal.java - Notepad

File Edit Format View Help

```
/*Q.5
Write a Java program to print the sum (addition), multiply, subtract, divide and
remainder of two numbers.
Test Data:
Input first number: 125
Input second number: 24*/

class cal{

 public static void main(String[] args) {


  System.out.println("The first number is " +125);
  int num1 = 125;

  System.out.println("The second number is "+24);
  int num2 = 24;


  System.out.println(num1 + " + " + num2 + " = " +
  (num1 + num2));

  System.out.println(num1 + " - " + num2 + " = " +
  (num1 - num2));

  System.out.println(num1 + " x " + num2 + " = " +
  (num1 * num2));

  System.out.println(num1 + " / " + num2 + " = " +
  (num1 / num2));

  System.out.println(num1 + " mod " + num2 + " = " +
  (num1 % num2));
 }

}
```

C:\Windows\System32\cmd.exe

```
C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>javac cal.java

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>java cal
The first number is 125
The second number is 24
125 + 24 = 149
125 - 24 = 101
125 x 24 = 3000
125 / 24 = 5
125 mod 24 = 5

C:\Users\ROHIT BISWAS\Desktop\anudip practice\12.8 Lab session>
```

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