



Swapping.java - Notepad

File Edit View

//Swapping two variables refers to mutually exchanging the values of thevariables. Generally, this is done with the data in memory

public class Swapping{  
public static void main(String[]args){  
int a=10;  
int b=20;  
System.out.println("The numbers a and b are "+a+", "+b );  
int temp;  
temp=a;  
a=b;  
b=temp;  
System.out.println("The numbers after swapping a and b are "+a+", "+b);  
}  
}

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.22000.832]  
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C:\Users\asus\Desktop\12 August java Lab>javac Swapping.java

C:\Users\asus\Desktop\12 August java Lab>java Swapping

The numbers a and b are 10,20

The numbers after swapping a and b are 20,10

C:\Users\asus\Desktop\12 August java Lab>

Ln 8, Col 10

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Install.java - Notepad

FileEditView

//write a java program to check java is installed in your computer.  
public 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");  
}  
}

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C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.22000.832]  
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C:\Users\asus\Desktop\12 August java Lab>javac Install.java  
  
C:\Users\asus\Desktop\12 August java Lab>java Install  
  
Java Version: 18.0.2  
Java Runtime Version: 18.0.2+9-61  
Java Home: C:\Program Files\Java\jdk-18.0.2  
Java Vendor: Oracle Corporation  
Java Vendor URL: https://java.oracle.com/  
Java Class Path: .  
  
C:\Users\asus\Desktop\12 August java Lab>

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Expression.java - Notepad

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//Write a Java program to compute the specified expressions and print theoutput.  
//specified Expression:  
// (25.5 \* 3.5 - 3.5 \* 3.5) / (40.5 - 4.5)  
public class Expression{  
public static void main(String[]args){  
double ex=(25.5 \* 3.5 - 3.5 \* 3.5) / (40.5 - 4.5);  
System.out.println(ex);  
  
}  
}

Ln 10, Col 2

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C:\Users\asus\Desktop\12 August java Lab>javac Expression.java  
  
C:\Users\asus\Desktop\12 August java Lab>java Expression  
2.138888888888889  
  
C:\Users\asus\Desktop\12 August java Lab>



MathNew.java - Notepad

File Edit View

```
//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 MathNew{
public static void main(String[]args){
System.out.println("the two numbers is:");
int a=125;
int b=24;
int sum=a+b;
int multi=a*b;
int sub=a-b;
int divi=a/b;
int remain=a%b;
System.out.println(a+" "+b);
System.out.println("Sum of two numbers:"+sum);
System.out.println("Multi of two numbers:"+multi);
System.out.println("Sub of two numbers:"+sub);
System.out.println("Divi of two numbers:"+divi);
System.out.println("Remain of two numbers:"+remain);
}
}
```

Ln 1, Col 1

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Select C:\Windows\System32\cmd.exe

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C:\Users\asus\Desktop\12 August java Lab>javac Math.java  
error: file not found: Math.java  
Usage: javac <options> <source files>  
use --help for a list of possible options

C:\Users\asus\Desktop\12 August java Lab>javac MathNew.java

C:\Users\asus\Desktop\12 August java Lab>java MathNew  
the two numbers is:  
125 24  
Sum of two numbers:149  
Multi of two numbers:3000  
Sub of two numbers:101  
Divi of two numbers:5  
Remain of two numbers:5

C:\Users\asus\Desktop\12 August java Lab>