

Java lab 1

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OBJECT ORIENTED PROGRAMMING (LAB)

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LAB :1

Task 1 : output

```
PROBLEMS 13 OUTPUT DEBUG CONSOLE TERMINAL PORTS

cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task1'
////////////////////////////////////
          Student Points          **
////////////////////////////////////
Lab      Bonus    Total
43        7       50
50        8       58
39       10       49
```

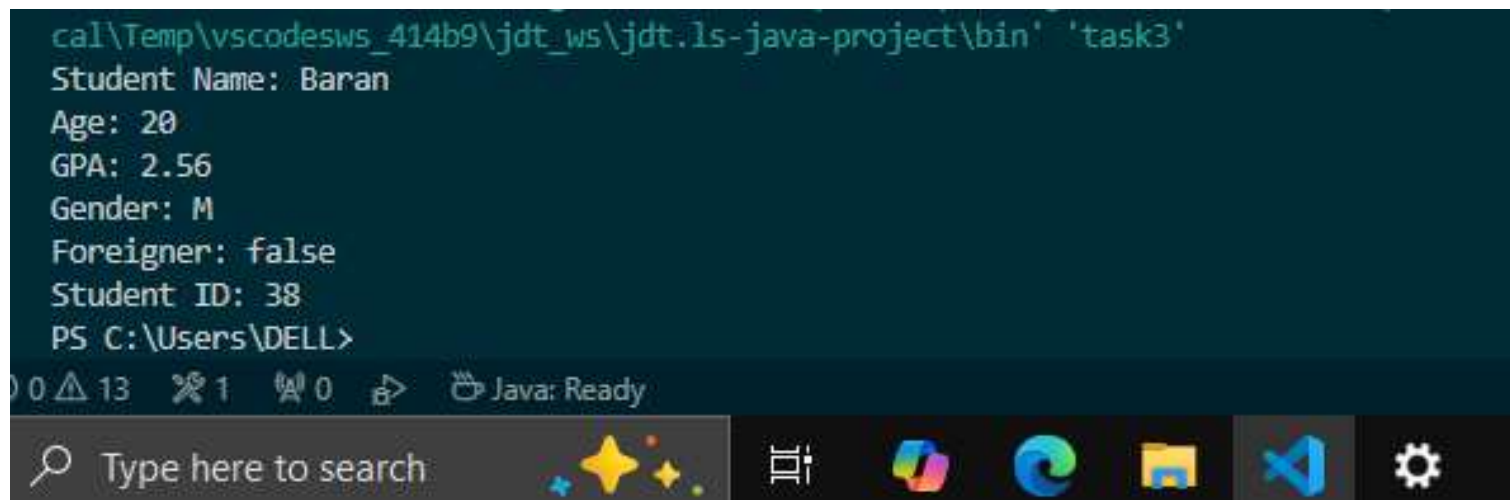
Task 2: Output

```
PS C:\Users\DELL> cd C:\Program Files\Eclipse Software\jdk-17.0.12\bin
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task2'
This is a long string that is the concatenation of two shorter strings.
This first computer was invented about55Years ago.
8 Plus 4 is 85
8 Plus 5 is 13
13equals 8 plus 5.
PS C:\Users\DELL>
```

0 13 1 0 Java: Ready

Task 3: Output

```
cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task3'
Student Name: Baran
Age: 20
GPA: 2.56
Gender: M
Foreigner: false
Student ID: 38
PS C:\Users\DELL>
```



Task 4: Output

```
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCodeDetails' 'cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task4'
(10+5)*(4-6)/4
PS C:\Users\DELL> ^C
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCodeDetails' 'cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task4'
(10+5)*(4-6)/4
PS C:\Users\DELL> ^C
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCodeDetails' 'cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task4'
(10+5)*(4-6)/4
PS C:\Users\DELL>
```



Task 5: Output

```
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-X
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task5'
*****

*      *

*      *

*      *

*****

PS C:\Users\DELL>
```

Task 6: Output

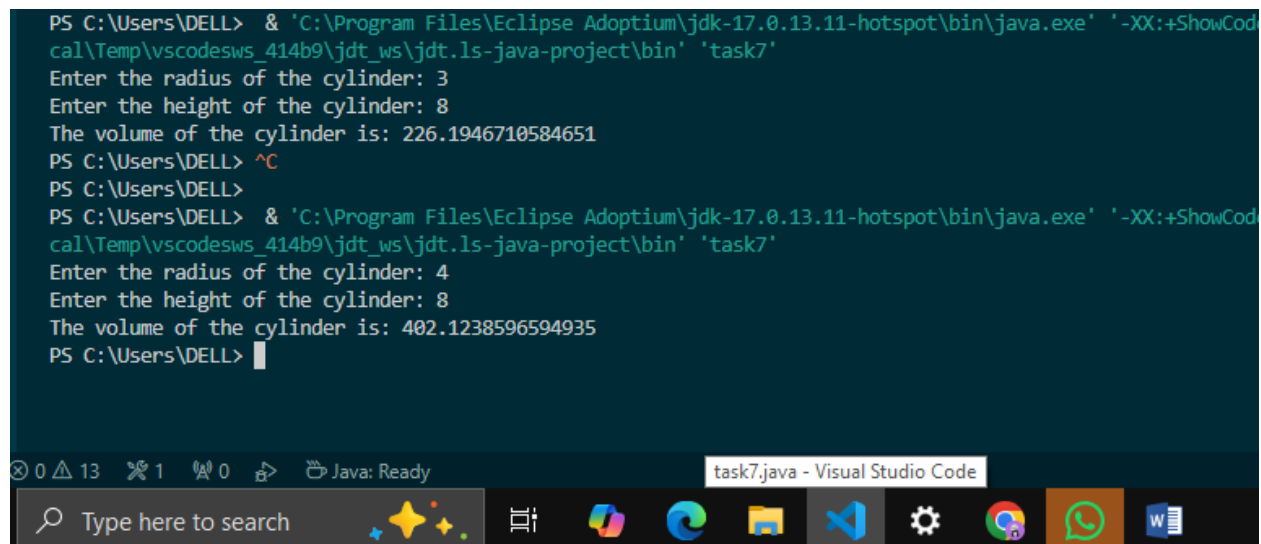
```
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task6'
Enter the value in Dollars: 3
Value in Rupees is: 834
PS C:\Users\DELL> ^C
PS C:\Users\DELL>
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowC
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task6'
Enter the value in Dollars: 3
Value in Rupees is: 834
PS C:\Users\DELL> |
```

0 13 1 0 Java: Ready task6.java - Visual Studio Code

Type here to search

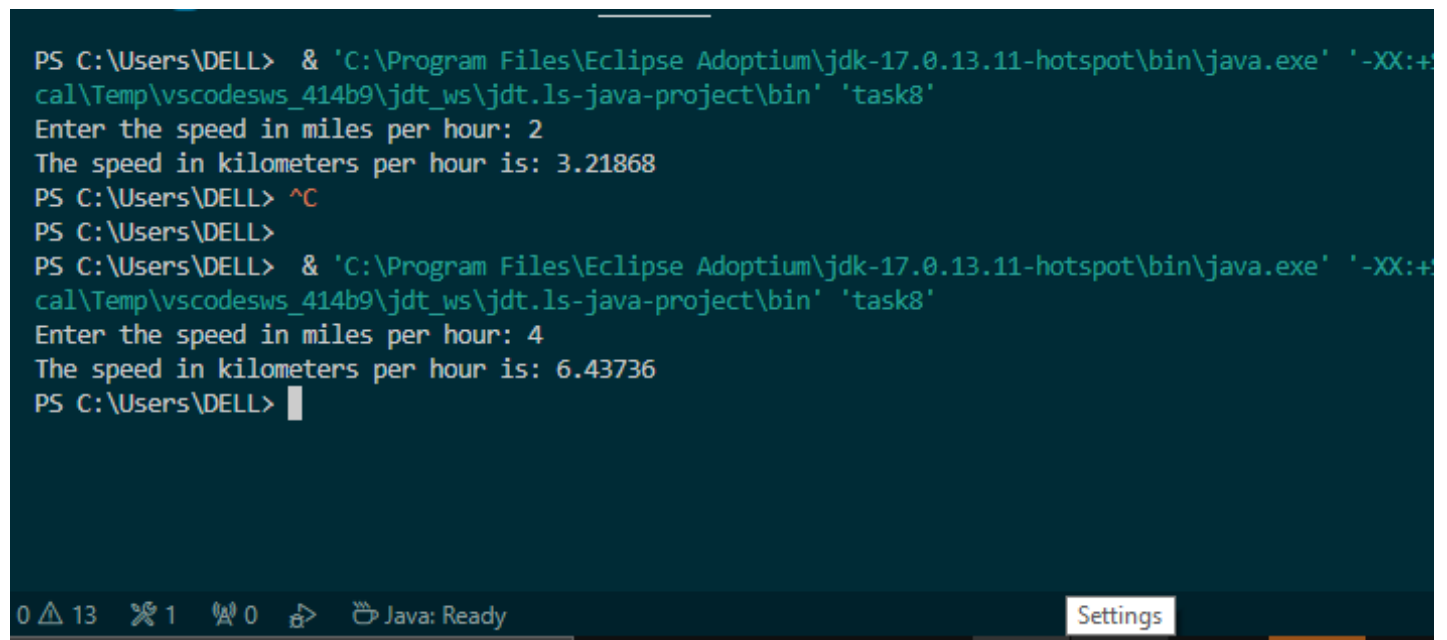
Task 7: Output

```
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCod
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task7'
Enter the radius of the cylinder: 3
Enter the height of the cylinder: 8
The volume of the cylinder is: 226.1946710584651
PS C:\Users\DELL> ^C
PS C:\Users\DELL>
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCod
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task7'
Enter the radius of the cylinder: 4
Enter the height of the cylinder: 8
The volume of the cylinder is: 402.1238596594935
PS C:\Users\DELL> |
```



Task 8 : Output

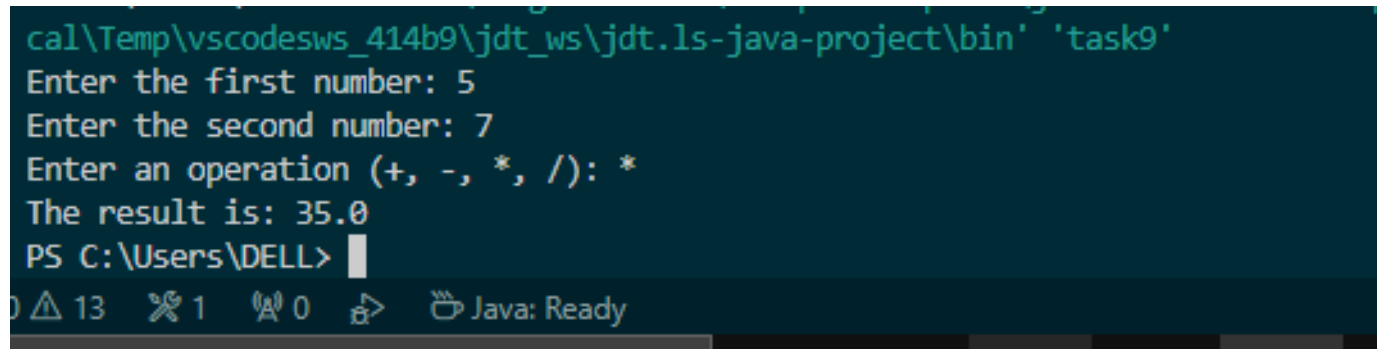
```
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task8'
Enter the speed in miles per hour: 2
The speed in kilometers per hour is: 3.21868
PS C:\Users\DELL> ^C
PS C:\Users\DELL>
PS C:\Users\DELL> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task8'
Enter the speed in miles per hour: 4
The speed in kilometers per hour is: 6.43736
PS C:\Users\DELL> |
```



Task 9 : Output

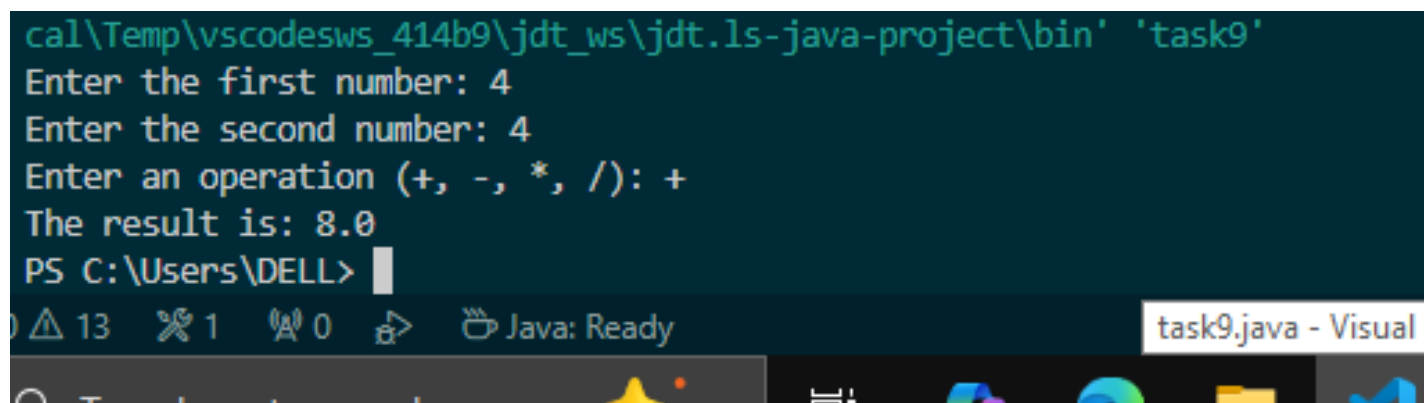
Multiply two number

```
cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task9'  
Enter the first number: 5  
Enter the second number: 7  
Enter an operation (+, -, *, /): *  
The result is: 35.0  
PS C:\Users\DELL>
```



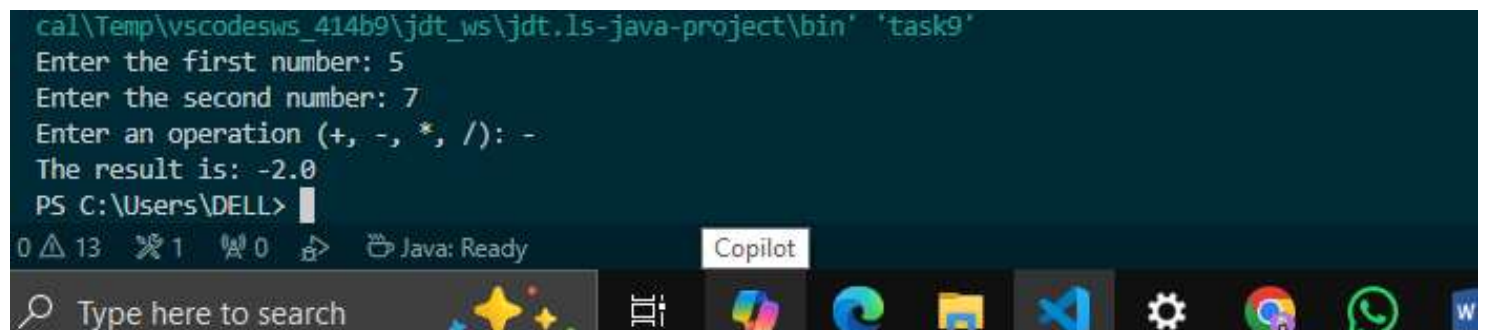
Add two number

```
cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task9'  
Enter the first number: 4  
Enter the second number: 4  
Enter an operation (+, -, *, /): +  
The result is: 8.0  
PS C:\Users\DELL>
```



Subtract two number

```
cal\Temp\vscode\vs_414b9\jdt_ws\jdt.ls-java-project\bin' 'task9'  
Enter the first number: 5  
Enter the second number: 7  
Enter an operation (+, -, *, /): -  
The result is: -2.0  
PS C:\Users\DELL>
```



Wrong operation use:

```
PS C:\Users\DELL>
cal\Temp\vscodesws_414b9\jdt_ws\jdt.ls-java-project\bin' 'task9'
Enter the second number: 4
Enter an operation (+, -, *, /): =
Error: Invalid operation.
PS C:\Users\DELL> ^C
PS C:\Users\DELL>
```