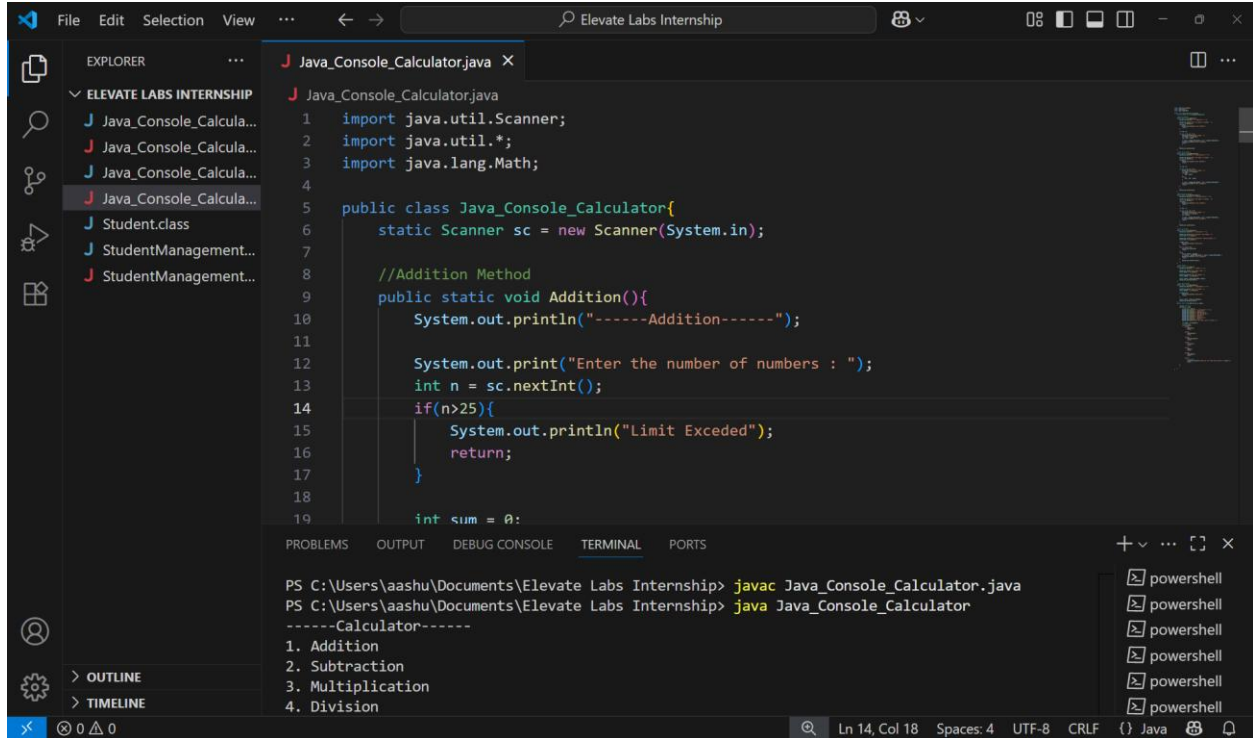


WORKING OF JAVA CONSOLE CALCULATOR

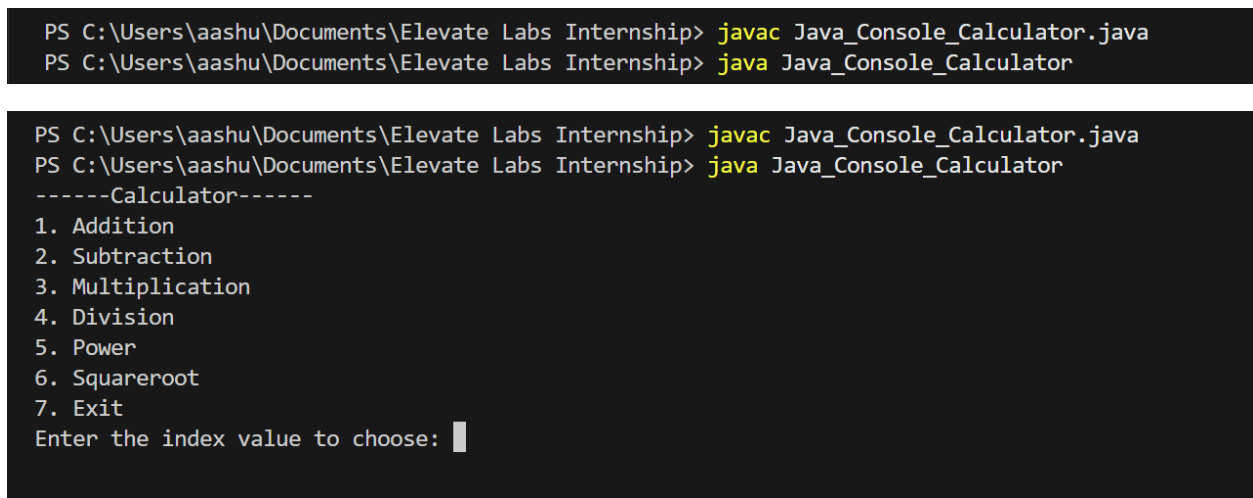
Java Console Calculator Code



The screenshot shows an IDE with the following components:

- EXPLORER:** A project named "ELEVATE LABS INTERNSHIP" containing several files, including "Java_Console_Calculator.java".
- EDITOR:** Displays the code for "Java_Console_Calculator.java". The code includes imports for Scanner, Math, and System, and defines a class with a static Scanner and an Addition method.
- TERMINAL:** Shows the command prompt output for running the code. It displays the compilation command "javac Java_Console_Calculator.java" and the execution command "java Java_Console_Calculator". The output shows the program starting with "-----Calculator-----" and listing the menu options: "1. Addition", "2. Subtraction", "3. Multiplication", and "4. Division".

Run the code using terminal



The terminal window shows the following commands and output:

```
PS C:\Users\aashu\Documents\Elevate Labs Internship> javac Java_Console_Calculator.java
PS C:\Users\aashu\Documents\Elevate Labs Internship> java Java_Console_Calculator

-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: |
```

1. Addition

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 1
-----Addition-----
Enter the number of numbers : 3
Enter number: 1
Enter number: 2
Enter number: 3
6
```

2. Subtraction

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 2
-----Subtraction-----
Enter the number of numbers : 3
Enter number: 3
Enter number: 2
Enter number: 1
0
```

3. Multiplication

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 3
-----Multiplication-----
Enter the number of numbers : 2
Enter number: -1
Enter number: 2
-2
```

4. Division

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 4
-----Division-----
Enter numerator (top number): 3
Enter denominator (bottom number): 0
undefined
```

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 4
-----Division-----
Enter numerator (top number): 0
Enter denominator (bottom number): 3
0
```

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 4
-----Division-----
Enter numerator (top number): 6
Enter denominator (bottom number): 3
2.0
```

5. Power

```
-----Calculator-----
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Squareroot
7. Exit
Enter the index value to choose: 5
-----Power-----
Enter power value: 3
Enter the number: 2
8.0
```

6. Square Root

```
-----Calculator-----  
1. Addition  
2. Subtraction  
3. Multiplication  
4. Division  
5. Power  
6. Squareroot  
7. Exit  
Enter the index value to choose: 6  
-----SquareRoot-----  
Enter the Number: 36  
6.0
```

```
-----Calculator-----  
1. Addition  
2. Subtraction  
3. Multiplication  
4. Division  
5. Power  
6. Squareroot  
7. Exit  
Enter the index value to choose: 6  
-----SquareRoot-----  
Enter the Number: 2  
1.4142135623730951
```

7. Exit

```
-----Calculator-----  
1. Addition  
2. Subtraction  
3. Multiplication  
4. Division  
5. Power  
6. Squareroot  
7. Exit  
Enter the index value to choose: 7  
Thank you for using the calculator. Goodbye!  
PS C:\Users\aaashu\Documents\Elevate Labs Internship>
```