

# Challenge: Build a Calculator Application

In this lesson, you will learn to build a simple calculator using switch and case statements.

## WE'LL COVER THE FOLLOWING ^

- Problem statement
- Sample input
- Sample output
- Challenge

## Problem statement #

Write a calculator program that supports arithmetic operations. You are given three variables:

- `operation`, which contains the operation to be performed.
- `first`, which contains the value of the first number.
- `second`, which contains the value of the second number.

The calculator should store the result of the operation in the `result` variable. The arithmetic operations can be `add`, `subtract`, `multiply` and `divide`.

## Sample input #


```
operation = "add";  
first = 8;  
second = 4;
```

## Sample output #

```
result = 12;
```

## Challenge #

This problem is designed for you to practice, so try to solve it on your own first. If you get stuck, you can always refer to the explanation and solution provided in the next lesson. Good luck!

 Show Hint

```
writeln(operation); //operation stores the operation to be performed
writeln(first); //first number
writeln(second); //secong number

int result; //this will store result from an operation

//write code for switch case here
```



Calculator

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In the next lesson, you will find the solution to this challenge.