Solution Review: Absolute Value

In the following lesson, we will go over the solution for the challenge: Absolute Value.

We'll cover the following

Task

In this challenge, you had to create a function that computes the absolute value of a given number.

Solution

A skeleton of the function was already provided for you. Let's look it over.

```
num absolute(num x) {

}
```

The function name is `absolute`, and it takes a single parameter of type `num` and returns a value of type `num`.

The parameter name is `x` and is the number whose absolute value needs to be calculated. The absolute value of a number is simply the positive value of the number after ignoring its signs, `+` or `-`. Hence, if the given number is `x`, we first need to check if it is positive or negative. If it is negative, we will return its positive value by applying the unary `-` operator to it.

```
-(x) or -x
```

If the number is positive, we will simply return it as is.

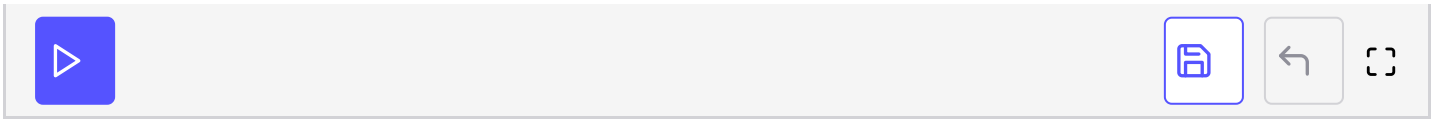
```
x
```

You can find the complete solution below:

> You were required to write the code given from **line 2** to **line 3**. The provided solution is using the ternary operator but using an `if-else` statement would result in the correct output.

```
num absolute(num x) {
  var abs = x < 0 ? -x : x;
  return abs;
}


// Driver Code
main() {
  var result = absolute(-5);
  print(result);
}
```



That pretty much covers the very basics of functions. Let's learn about optional parameters in the next lesson.