Solution Review: Absolute Value

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

We'll cover the following

Task

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

Solution

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

```
def absolute(x: Double): Double = {

}
```

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

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 multiplying the number with `-`.

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

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

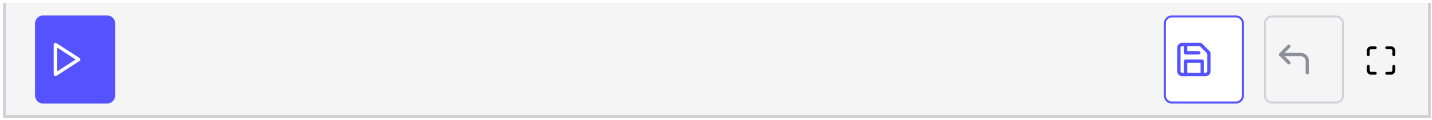
```
x
```

You can find the complete solution below:

> You were required to write the code on **line 2**.

```
def absolute(x: Double): Double = {
    if (x < 0) -x else x
}

// Driver Code
println(absolute(-5))
```



In the next lesson, we will go over the different evaluation strategies with which an expression is evaluated.