

Challenge 2: Count Iterations of a Loop Until a Condition

This challenge will test your knowledge of while loops.

We'll cover the following ^

- Problem Statement
 - Input
 - Output
 - Sample Input
 - Sample Output
- Coding Exercise

Problem Statement

- A variable `x` is provided to you.
- Repeatedly decrease the value of the variable `x` by 3 each time, as long as `x` is greater than or equal to 0.
- Print the number of times the iteration runs.

Input

```
integer
```

Output

```
iteration count
```

Sample Input

```
21
```

Sample Output

Coding Exercise

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

Note: There is a `test` function given in the code for testing purposes. Do not modify it.

Important Note: A mutable variable `x` is already provided to you. This has the desired value. You just have to write the `while` loop construct.

Good luck! 🍀

```
fn test(mut x:i32) {  
    // Write code here!  
}
```



Hint 1 of 1

Use a `while` loop



```
while condition {  
    statement;  
}
```



Let's move on to the detailed solution review of the above challenge in the next lesson.

