

# Exercise 1: Multiplication Table Of a Number

In this exercise, you have to print the multiplication table of a number up to 10

## We'll cover the following ^

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## Problem Statement #

Write a code which will

- Print the **multiplication** table of a `number` up to **10**.
- You have to use `while` loop for solving this problem.
- Your code should **return** the **string** `ans` with all the values computed from multiplication appended in that string.

**Note:** You can use the `to_string()` function to add values to the string.

## Example #

Input: `int num = 5`

Here's an illustration showing what the string `ans` should have stored in it at the end of the `while` loop for the above mentioned **input**.

5 10 15 20 25 30 35 40 45 50

Multiplication Values Stored in Ans

**Note** Just like it is shown in the picture above, the values in the **string** should

Note just like it is shown in the picture above, the values in the string should have spaces in between them. You can add a space by simply adding quotation marks with space in between them to your string, like this: " ".

- In your code also `cout` the values after multiplying the number up to **10** as shown in the picture below.

## Example #

Here is what the table of 5 should print:

```
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

Expected Output

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

**Good Luck!**

```
#include <iostream>
using namespace std;

string test(int num) {
    string ans = "xyz"; //return the correct value in this string
    //write your code for while loop here
    return ans;
}
```



