**Sum Of Cubes Program**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Cube | 1 | 8 | 27 | 64 | 125 | 216 | 343 | 512 |
| Sum | 1 | 9 | 36 | 100 | 225 | 441 | 784 | 1296 |

The cube of a number **n** is equal to **n\*n\*n**.

You have been asked to write a program that will tell you the total of the cubes of the numbers from 1 to a number entered by the user.

Here is a Scratch program that describes the algorithm for doing this. Your task is to write this program in Visual Basic.



**Variables** have to be declared in Visual Basic. You can use the names you see here but must declare them properly in VB. They should be integers.

You don’t do **output** and **input** by ‘asking’ in VB. Check the reference for an example.

Instead of using the word **repeat**, you will need to use a FOR loop. Your FOR loop will count from 1 to the number the user enters (num). Look carefully at where the repeat block ends. Using a FOR loop, you will not need to change the value of counter – VB will do this for you.