Good news!! You won the grant price just for being awesome!! However, as in many things in life, there is a catch. Your prize will be paid to you in monthly installments.

The payments will start in the amount of 1 dollar. Obviously that is not too much of a price at the beginning. But here are two rules we can apply every month to increase the installments.

* Rule A - Double the installment amount.
* Rule B - Triple the installment amount.

You are free to apply Rule A every month, but Rule B can be applied only every other month.

To maximize payments.

* 1st month's payment 1   dollar.
* 2nd month's payment 2   dollars. (doubled the amount)
* 3rd month's payment 6   dollars. (triple it every other months)
* 4th month's payment 12  dollars. (double the amount)
* 5th month's payment 36  dollars. (triple it every other month)
* 6th month's payment 72  dollars. (double the amount)
* 7th month's payment 216 dollars. (triple it every other month)
* and so on ...

Write a program that will compute the monthly payment amounts you will get over a given number of months.

Your program should take the number of months from user and create a loop to compute the payments for each month and output on screen.

You are to submit:

1- The \*.cpp file (the source code file containing your source code(!))

2- A screenshot on which I can see your program running and the result is displays on screen. Take a screenshot of the whole screen not just the console window. The source code should be visible (at least the important part -- the loop) at the background of the console window.

Below is a good example of a screenshot, yours will be different based on your screen resolution. Also, notice that I blurred the source code in my example, you should \*not\* blur the source code part of your screenshot (!)  :-).

Let me know if you have any questions.