Quiz 1

Subject: Using Pointer in C
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Due Date: 11.03.2019 - 23:59:59

1 Problem

Write a program that prints all Tribonacci numbers up to input value.

$$T_n = T_{(n-1)} + T_{(n-2)} + T_{(n-3)}$$

Sample 1:
```
Enter a number:  8
0 1 2 3 6 11 20 37
```

Sample 2:
```
Enter a number:  15
0 1 2 3 6 11 20 37 68 125 230 423 778 1431 2632
```

1.1 Restrictions

- You must use dynamic memory allocation functions (Malloc, calloc, realloc, and free)

- You must put the numbers on the array, which dynamically allocated, before printing them on the screen.

- You must use pointer arithmetic to access elements of these arrays.

- It is forbidden to use square brackets ([,]) in anywhere of the code.

2 Submission Notes

- The output of your program will be graded **automatically**. Therefore, any difference of the output (even a smallest difference) from the sample output will cause an error and you will get 0 from execution. **Keep in mind that a program that does not work 100% right is a program that works wrong.**

- **Test your program on "dev.cs.hacettepe.edu.tr" before submission**. Your submission will be compiled and executed in this machine and this machine only.

- Do not submit any file via e-mail. You will use online submission system to submit your experiments. Other type of submissions especially by e-mail WILL NOT BE

ACCEPTED.
`https://submit.cs.hacettepe.edu.tr/`

- Save all your work until the assignment is graded.

- The assignment must be original, individual work. All the duplicate or Internet works (even if a citation is provided) are both going to be considered as cheating.

- Don't use your instructors as a google. Use google for general purposes then ask us for specific ones

- You can ask your questions through Piazza and you are supposed to be aware of everything discussed there.

- The submission format is given below:: This file hierarchy must be zipped before submission (Not .rar, only .zip files are supported by the system)

$$\rightarrow \text{<student id.zip>}$$
$$\rightarrow \text{studentID\_quiz1.c}$$