1) Find out if the given number is an *Armstrong number.*
   Logic: - if **153** is the Supplied value, then $\mathbf{1^3 + 5^3 + 3^3 = 1+125+27 = 153}$
   This is the same as supplied value hence it is an Armstrong number.

2) Find out all the ***Armstrong numbers*** *falling* in the range of **100-999**
3) Find out the simple as well as the compound interest of supplied value
4) Supply marks of three subject and declare the result, result declaration is based on below conditions:
   Condition 1: -All subjects marks is greater than 60 is Passed
   Condition 2: -Any two subjects marks are greater than 60 is Promoted
   Condition 3: -Any one subject mark is greater than 60 or all subjects' marks less than 60 is failed.
5) Calculate the income tax on the basis of following table.
   Note:-Assume slab is consider for Male, Female as well as Senior citizen

Slab	Income Range	Tax payable in Percentage
Slab A	0-1,80,000	Nil
Slab B	1,81,001-3,00,000	10%
Slab C	3,00,001-5,00,000	20%
Slab D	5,00,001-10,00,000	30%

   Accept CTC from user and display tax amount

6) Consider a CUI based application, where you are asking a user to enter his Login name and password, after entering the valid user-id and password it will print the message "Welcome" along with user name. As per the validation is concerned, the program should keep a track of login attempts. After three attempts a message should be flashed saying "Contact Admin" and the program should terminate.
7) There is an Array which is of the size 15, which may or may not be sorted. You should write a program to accept a number and search if it in contained in the array

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Example:

5	12	14	6	78	19	1	23	26	35	37	7	52	86	47

Value to be search is 19

8) Using the above table write method apply sorting using **Bubble Sort**.
9) Accept the marks of three students for the subject say A, B, C. Find the total scored and the average in all the subjects. Also Find the Total and Average scored by students in each respective Subject.