

CONTEST WEEK - 3

REVISION TEST

NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

Q1. Calculate the cube of all numbers from 1 to a given number.

Q2. Write a function named **notPrimeNumbers** which accepts 2 integers **n1** and **n2**. Print all the numbers from n1 to n2 which are **not prime**.

Example

```
notPrimeNumbers(5,20)
```

```
6 8 9 10 12 14 15 16 18 20
```

Q3. Write a function named **armstrongRange** which accepts 2 integers n1 and n2. Print all the numbers from n1 to n2 which are armstrong numbers.

Example

Enter the starting number: 56

Enter the ending number: 1000

Armstrong numbers between 56 and 1000 are:

```
153
```

```
370
```

```
371
```

```
407
```

Check online what is an armstrong number. Don't check the solution.

Q4. Write a Python program to check if a triangle is equilateral, isosceles or scalene.

Note :

An equilateral triangle is a triangle in which all three sides are equal.

A scalene triangle is a triangle that has three unequal sides.

An isosceles triangle is a triangle with (at least) two equal sides.

Q5. Print the following pattern.

```
* * * * *
 * * * *
  * * * *
   * * *
    * *
     *
```

Q6. Print the following pattern.

```
* * * *
 * * *
  * *
   *
  * *
 * * *
* * * *
```

Q7. Print the following pattern.

```
* * * *
 * * * *
 * * * *
  * * * *
   * * * *
```