Topics Of the Day3

- **TUPLES IN PYTHON**

- **WHAT IS A SET IN PYTHON?**

- **WHAT IS A DICTIONARY IN PYTHON?**

- **HOW TO RAISE A CUSTOM ERROR**

- **SHORT-HAND IF-ELSE IN PYTHON**

- **LOCAL SCOPE VS GLOBAL SCOPE**

- **LAMBDA FUNCTION IN PYTHON**

- **WHAT IS A DECORATOR**

- **WHAT IS (math, os, file_handling)**

Q.1 Reverse a integer list in python in descending order and print the list using for loop

Llist1=[6,9,4,2]

Answer: [9,6,4,2]

Q.2 Insert an element in existing tuple

Tuple1=(4,6,7)

Answer: (4,6,7,90)

Q.1 Write a program to check if a given key exists in a dictionary

Dict1={"name":"john","age":56}

Q.2 Write a program that takes input from user and if number is greater than 0 It says Hello otherwise error

Input: 78
Output: Greater than 0

Input: -5
Output: Error

Q.1 Logical Testing for students local and global variables Program

Code:

```
x = 10
def show():
    print(x)
show()
print(x)
```

OutPut??

Q.1 Write a lambda function for cube of a number

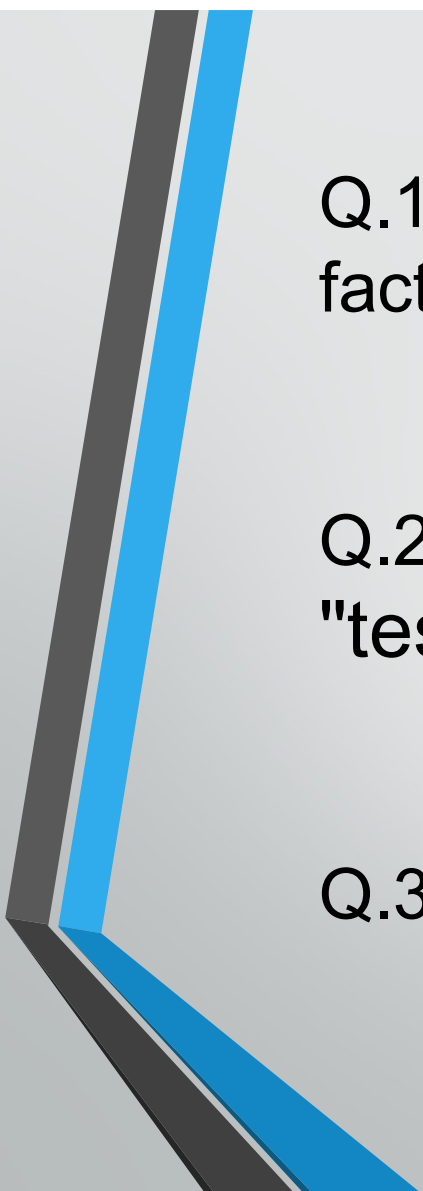Q.2 Write A program return like this pattern

Input: Rohan Kumar

Output:

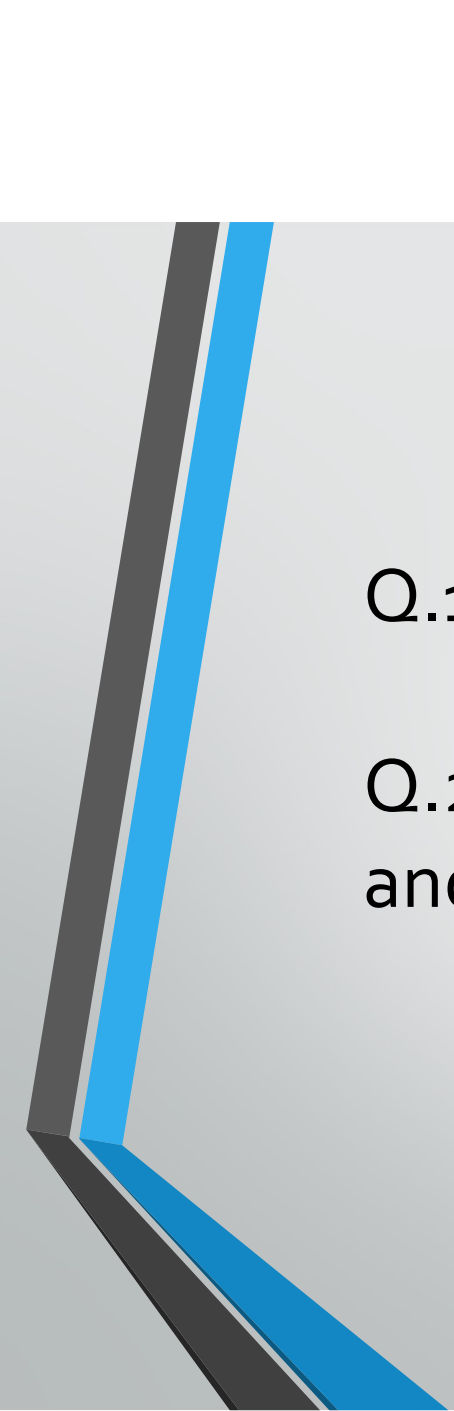
Rohan Kumar

Q.1 Write a program to find the square root, factorial of a given number by using math library

Q.2 Write a program to create a new folder named "test_folder".

Q.3 Write a program to rename a folder.

Q.1 Write a program to delete an empty folder.

Q.2 Write a program to create a new text file and write "Hello Python" into it.