PC:503 Programming Lab
Assignment – II

1. **Make a module "pascal.py" with function "pascalTriangle(numOfRows)" and import into "main.py".**
   Input :
   > **Enter the num of rows :** 7

   Output :
   ```
                1
             1   1
          1   2   1
        1   3   3   1
      1   4   6   4   1
    1   5  10  10   5   1
  1   6  15  20  15   6   1
   ```

2. **Write a Python program that takes a dictionary containing dates and finds all the Sundays.**

   Input : dict = {
   > "date1": "2023-09-03",
   > "date2": "2023-09-11",
   > "date3": "2023-09-17",
   > "date4": "2023-09-23",
   > }

   Output :

   > **List of Sundays:**
   > date1: 2023-09-03
   > date3: 2023-09-17

3. **Write a Python program to calculate the area**(round to 2 decimals) **of a triangle when we know the lengths of two sides and the included angle between them.[sine rule]**

   Input :
   > Enter the length of the first side: 5
   > Enter the length of the second side: 7
   > Enter the included angle in degrees: 60

   Output :
   > The area of the triangle is: 15.16

4. **Use the Python 'sys' module to pass command-line arguments to a script, and process these three arguments within Python program and return those are palindrome numbers.**
   Input: python script.py 252 150 797 67
   Output: Palindrome Numbers: 252 797

5. **Convert a String to camelCase (using 're' module)**
   Input: Hello world
   Output: helloWorld