1　Python: Homework 5

How to do the homework? Simply use Repl.it to write your code and copy the URL to the code project and submit it in the provided Google Form.

1.1

Take as an input the height of the triangle and print it in the following pattern. If the alphabet reaches Z the next one should go back to A.

```
Output:
Enter the height of the triangle: 10
         A
        B C
       D E F
      G H I J
     K L M N O
    P Q R S T U
   V W X Y Z A B
  C D E F G H I J
 K L M N O P Q R S
T U V W X Y Z A B C
```

1.2

Get as an input a dictionary from the user. (Hint: use the eval command) Print as an output a dictionary with the keys and values swapped

```
Output:
Enter a dictionary: {"Valorant":"Riot Games","Cyber Punk 2077":"CD Projekt
    ↪ ","RDR2":"Rockstar"}

{'Riot Games': 'Valorant', 'CD Projekt': 'Cyber Punk 2077', 'Rockstar': '
    ↪ RDR2'}
```

1.3

Use the dictionary: points = 'a':(4,3,1),'b':(1,2,6),'c':(5,1,3),'d':(2,4,0)

Write a program which prints the maximum value of all the tuples at the same index. (The Max function must not be used)
For ex: Index 0 of
a - 4, b - 1, c - 5, d - 2
So the maximum value at index 1 of all tuples is 5. The same must be done for index 2 and 3.

```
Output:

Maximum value at index 0: 5
Maximum value at index 1: 4
Maximum value at index 2: 6
```