Code Listing

1 Problem-1: Anagrams

Created two Dictionaries for both strings with kry as character and value as its frequency. Compared both Dictionaries using '=' operator

```
def main():
  ans=[]
  while True:
      x = list(map(int, input().split()))
      if not x:
        break
      else:
          ans.append(x)
  print('initial:  ',ans)
  x = len(ans) - 1
  total = 0
  while x:
    curr_row = 1
    for i in range(0,curr_row):
      left = i - 1
      right = i
      if left < 0 or left > curr_row -1:
             left_ans = 0
      else:
          left_ans = ans[curr_row - 1][left]

      if right > curr_row - 1:
          right_ans = 0
      else:
          right_ans = ans[curr_row - 1][right]
      ans[curr_row][i] = ans[curr_row][i] + max(left_ans, right_ans
    )
      total = max(total, ans[curr_row][i])
    curr_row += 1
    x = x - 1
    print('Modified: ',ans)
  return total
print(main())
```

Listing 1: Problem-1: Anagrams

2 Freedom Struggle Reloaded

```
1
2  def getSelectAsMinister():
3    """
4        Python program to free the country from the dictator.
5        Submitted by Manoj Dongare - manojdon777@gmail.com
6    """
7    testcases = int(input())
8    for test in range(testcases):
9      n, k = map(int, input().split())
10     position = 1
11     while n//k > 0:
12       n = n//k
13       position = position * k
14     print(position)
15 getSelectAsMinister()
```

Listing 2: Problem-1: Anagrams

3 Problem-3: Number Pyramid

```
def main():
  ans=[]
  while True:
      x = list(map(int, input().split()))
      if not x:
        break
      else:
          ans.append(x)
  print('initial:  ',ans)
  x = len(ans) - 1
  total = 0
  while x:
    curr_row = 1
    for i in range(0,curr_row):
      left = i - 1
      right = i
      if left < 0 or left > curr_row -1:
             left_ans = 0
      else:
          left_ans = ans[curr_row - 1][left]

      if right > curr_row - 1:
          right_ans = 0
      else:
          right_ans = ans[curr_row - 1][right]
      ans[curr_row][i] = ans[curr_row][i] + max(left_ans, right_ans
    )
      total = max(total, ans[curr_row][i])
    curr_row += 1
    x = x - 1
    print('Modified: ',ans)
  return total
print(main())
```

Listing 3: Problem-1: Anagrams