**hiSET - 1**

**Regular Programs**

**1. List Comprehensions** if \_\_name\_\_ == '\_\_main\_\_':

x = int(input()) y = int(input()) z = int(input()) n = int(input())

//insert your code here…

# 2. Lists

if \_\_name\_\_ == '\_\_main\_\_': N = int(input()) command=[] for i in range(N):

command.append(input().split())

//insert your code here…

# 3. Nested Lists

if \_\_name\_\_ == '\_\_main\_\_':

lis=[] for \_ in range(int(input())): name = input() score = float(input())

lis.append([name,score])

lis.sort(key=lambda lis:lis[1])

//insert your code here…

# 4. sWAP cASE

def swap\_case(s):

//insert your code here…

if \_\_name\_\_ == '\_\_main\_\_':

s = input() result = swap\_case(s)

print(result)

# 5. Find a string

def count\_substring(string, sub\_string):

//insert your code here…

if \_\_name\_\_ == '\_\_main\_\_': string = input().strip()

sub\_string = input().strip()

count = count\_substring(string, sub\_string)

print(count)

# 6. Designer Door Mat

n,m=input().split() c='|' v='.'

n=int(n) m=int(m)

//insert your code here…

# 7. Alphabet Rangoli

n=int(input()) for i in range(n-1,-1,-1): //insert your code here…

for j in range(i):

//insert

your code here…

for j in range(n

-

1

,i,

-

1):

//insert your code here…

for j in range(i,n):

//insert your code here…

for j in range(2\*i):

//insert your code here…

print()

for i in range(1,n):

# 8. String Validators

def pr(t): if t==1:

print(True) else:

print(False)

if \_\_name\_\_ == '\_\_main\_\_':

s = input()

//insert your code here…

**Additional Programs**

# 1. No Idea!

n,m=list(map(int, input().split()))

//insert your code here…

# 2. Word Order

from collections import OrderedDict

//insert your code here…

d=OrderedDict() n=int(input()) for i in range(n):

**3. Find the runner-up score** if \_\_name\_\_ == '\_\_main\_\_':

n = int(input()) arr = map(int, input().split())

//insert your code here…

# 4. The Minion Game

def minion\_game(string):

k=0 s=0

vowels="AaEeIiOoUu" for i in range(len(string)): //insert your code here… if \_\_name\_\_ == '\_\_main\_\_':

s = input() minion\_game(s)

# 5. Compress the string

S=input() i=1 a=[] count=1 while i<len(S): //insert your code here… for i in a: print(i,end=' ')