

ASSIGNMENT-Programming Task 2

In [1]:

```
x = int(input())
y = int(input())
z = int(input())
n = int(input())
l = list()
for i in range(x+1):
    for j in range(y+1):
        for k in range(z+1):
            if(i+j+k !=n):
                l.append([i,j,k])
print(l)
```

```
1
1
0
1
[[0, 0, 0], [1, 1, 0]]
```

In [2]:

```
n = int(input())
student_marks = {}
for _ in range(n):
    name, *line = input().split()
    scores = list(map(float, line))
    student_marks[name] = scores
query_name = input()

s=0

for i in student_marks[query_name]:
    s=s+i
print("{0:.2f}".format(s/3))
```

```
3
krishna 67 68 69
Arjun 70 98 63
Malika 52 56 60
Malika
56.00
```

In [*]:

```

N = int(input())
arr=[]
for i in range(N):
    s=input().split()
    for i in range(1,len(s)):
        s[i]=int(s[i])

    if s[0]=="append":
        arr.append(s[1])

    elif s[0]=="insert":
        arr.insert(s[1],s[2])
    elif s[0]=="remove":
        arr.remove(s[1])
    elif s[0]=="pop":
        arr.pop()
    elif s[0]=="sort":
        arr.sort()
    elif s[0]=="reverse":
        arr.reverse()
    elif s[0]=="print":
        print(arr)

```

```

12
insert 0 5
insert 1 10
insert 0 6
print
[6, 5, 10]
remove 6
sort
print
[5, 10]

```

In [*]:

```

def average(array):
    # your code goes here
    array=set(array)
    return sum(array)/len(array)

if __name__ == '__main__':
    n = int(input())
    arr = list(map(int, input().split()))
    result = average(arr)
    print(result)

```

In [*]:

```

n = int(input())
integer_list =tuple(map(int, input().split()))
print(hash(integer_list))

```

In []:

```
n = int(input())
arr = map(int, input().split())
a=max(arr)
c=arr.count(a)
for i in range(c):
    arr.remove(a)

print(max(arr))
```

In []:

```
for _ in range(int(input())):
    name = input()
    score = float(input())
    dic={}
    s=list()
    for _ in range(int(input())):
        name = input()
        score = float(input())
        if score in dic:
            dic[score].append(name)
        else:
            dic[score]=[name]
        if score not in s:
            s.append(score)

    m=min(s)
    s.remove(m)
    m1=min(s)

    print(dic[m1])
```

In []:

```
a,b=(int(input()),input().split())
c,d=(int(input()),input().split())
x=set(b)
y=set(d)
p=y.difference(s)
q=x.difference(y)
r=p.union(q)
print('/n'.join(sorted(r,key=int)))
```