

Python test-3

1.

```
m = int(input("enter m: "))

n = int(input("enter n: "))

for i in range(m,n+1):

    count = 0

    temp = i

    num=0

    for j in range(len(str(i))):

        a=i%10

        num+=a

        i/=10

    for k in range(1,num+1):

        if num%k==0:

            count+=1

    if count==2:

        print(temp)
```

output:

enter m: 10

enter n: 20

11

12

14

16

20

2.

```
n= int(input("enter n: "))

num=1
```

```
for i in range(1,n+1):
    for j in range(n-i):
        print(" ",end="")
    for j in range(i):
        print(num,end=" ")
    num+=1
print()
```

output:

```
1
2 3
4 5 6
7 8 9 10
```

3.

```
lst = [1,2,3,1,2,1]
max_count=0
val=0
for i in range(len(lst)):
    count=0
    for j in range(len(lst)):
        if lst[j]==lst[i]:
            count+=1
    if count>max_count:
        max_count=count
        val=lst[i]
print(val)
```

output: 1

4.

```
s=input("enter s: ")
res=""
for i in range(len(s)):
    count=0
```

```
for j in range(len(s)):  
    if s[i]==s[j]:  
        count+=1  
    if count>1 and s[i] not in res:  
        res+=s[i]  
print(res)
```

output:

abacd

a

abcdabcd

abcd