

#1

```
num=int(input())
num=str(num)
if num==num[::-1]:
    print(num,"is a palindrome")
else:
    print(num,"is not a palindrome")
```

#2

```
import math
n1=int(input("Enter a number : "))
n2=int(input("Enter a number : "))
sum=1
for x in range(1,n2+1):
    term=(n1**x)/(math.factorial(x))
    sum+=term
print(f"Sum of series : ",sum)
```

#3

```
n=int(input("Enter a number : "))
pro=1
while n>0:
    a=n%10
    pro=pro*a
    n=n//10
print(f"Product of digits : ",pro)
```

#4

```
num=int(input())
for i in range(1,num+1):
    if num%i==0:
        print(i,end=" ")
```

#5

```
n=int(input())
if n<2:
    f=False
else:
    f=True
    for i in range(2,n+1):
        if n%i==0:
            f=False
            break
    if f:
        print("prime")
    else:
        print("not prime")
```

#6

5
6
7
8

#7

P y t h o n

#8

P ?\$

y?\$

t?\$

h?\$

o?\$

n?\$

#9

64

121

196

289

400

#10

n=int(input())

for i in range(n):

for j in range(1,i+1):

print(j,end=" ")

print()

#11

for i in range(100,500):

if i%11==0 and i%2!=0:

print(i,end=" ")