1. Write a python script to reverse a number.

```
x=int(input("enter a number"))
print("reverse of number is")
while x>0:
    rem=x%10
    print(rem,end=")
    x=x//10
```

2. Write a python script to check whether a given number is Prime or not.

```
x=int(input("enter a number"))
for i in range(2,x):
    if x%i==0:
        break
if i==x-1:
    print("prime number")
else:
    print("not prime number")
```

3. Write a python script to print all Prime numbers under 100.

```
for x in range(1,100):
    for i in range(2,x):
        if x%i==0:
            break
    else:
        print(x)
```

4. Write a python script to print all Prime numbers between two given numbers (both values inclusive).

```
x=int(input("enter minimum range"))
y=int(input("enter maximum range"))
for x in range(x,y+1):
    for i in range(2,x):
        if x%i==0:
            break
    else:
        print(x)
```

5. Write a python script to find next prime number of a given number.

```python
n=int(input("enter a number"))
z=n+1
while z:
    for x in range(2,z+1):
        if z%x==0:
            break
    if z==x:
        print("next prime number is ",z)
        break
    else:
        z+=1
```

6. Write a python script to print first N prime numbers.

```python
x=int(input("enter the number"))
y=2
while x>0:
    for i in range(2,y):
        if y%i==0:
            break
    else:
        print(y)
        x-=1
    y+=1
```

7. Write a python script to check whether a given pair of numbers are co-Prime numbers or not.

```python
a=int(input("enter first number"))
b=int(input("enter  second number"))
h=a if a<b else b
for i in range(h,0,-1):
    if a%i==0 and b%i==0:
        break
if i==1:
    print("co-prime numbers")
else:
    print("not co-prime numbers")
```

8. Write a python script to print first N terms of a Fibonacci series.

```python
N=int(input("enter range"))
i=1
n1=0
n2=1
print(n1,n2,end=' ')
while i<N:
    n3=n1+n2
    n1=n2
    n2=n3
    print(n3,end=' ')
    i+=1
```

9. Write a python script to calculate LCM of two numbers.

```python
a=int(input("enter first number"))
b=int(input("enter  second number"))
h=a if a>b else b
for i in range(h,(a*b)+1):
    if i%a==0 and i%b==0:
        break
print("lcm is",i)
```

10. Write a python script to calculate HCF of two numbers.

```python
x=int(input("enter first number"))
y=int(input("enter  second number"))
h=x if x<y else y
for i in range(h,0,-1):
    if x%i==0 and y%i==0:
        break
print("hcf is",i)
```