1. Write a python script to reverse a number.

```
x=int(input("enter a no "))
count=0
while x!=0:
    r=x%10
    count=count*10+r
    x=x//10
print(count)
```

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

```
n=int(input("enter a no "))
for x in range(2,n):
    if n%x==0:
        break
if n==x+1:
    print("prime")
else:
    print("not prime")
```

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

```
for x in range(1,101):
    count=0
    for j in range(1,x+1):
        if x%j==0:
        count=count+1
    if count==2:
        print(x)
```

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

```
a=int(input("enter the number "))
b=int(input("enter the number "))
for x in range(a,b):
    count=0
    for j in range(1,x+1):
        if x%j==0:
        count=count+1
    if count==2:
        print(x)
```

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

```
n=int(input("enter a no "))
z=n+1
while z:
  for x in range(2,z+1):
    if z%x==0:
        break
```

```
if z==x:
    print("next prime no is",z)
    break
  else:
    z + = 1
6. Write a python script to print first N prime numbers.
n=int(input("enter a no "))
c=2
while n!=0:
  for x in range(2,c):
    if c\%x==0:
       break
  else:
    print(c)
    n=1
  c+=1
7. Write a python script to check whether a given pair of numbers are co-Prime numbers or not.
import math
x = int(input("enter the number "))
y = int(input("enter the number "))
z = math.gcd(x,y)
if z==1:
  print("co prime")
else:
  print("not co prime")
8. Write a python script to print first N terms of a Fibonacci series.
n=int(input("enter the number "))
a.b = -1.1
while n!=0:
  c=a+b
  print(c)
  a=b
  b=c
  n=1
9. Write a python script to calculate LCM of two numbers.
n1=int(input("enter the number "))
n2=int(input("enter the number "))
for x in range(1,n1*n2+1):
  if x\%n1==0 and x\%n2==0:
print("lcm of %d and %d is %d"%(n1,n2,x))
by another way
```

```
import math
x = int(input("enter the number "))
y = int(input("enter the number "))
z = math.lcm(x,y)
if z%x==0 and z%y==0:
    print(z)
else:
    print()
```

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

```
n1=int(input("enter the number "))
n2=int(input("enter the number "))
z=(n1 if n1<n2 else n2)
for x in range(z,0,-1):
  if n1%x==0 and n2%x==0:
    break
print("lcm of %d and %d is %d"%(n1,n2,x))
```