1. WAP to find the HCF of given two numbers

```
n1=int(input("Enter the number1: "))
n2=int(input("Enter the number2: "))

if n2>n1:
    n1,n2=n2,n1

for i in range(1,n1+1):
    if n1%i==0 and n2%i==0:
        hcf=i

print("HCF of",n1,"and",n2,"is",hcf)
```

2. WAP to check whether the given two numbers are co-prime or not
   The given two numbers are said to be co-primes only ifthe highest common factor (HCF) of them are one

```
n1=int(input("Enter the number1: "))
n2=int(input("Enter the number2: "))

def co_prime(n1,n2):
    if n2 > n1:
        n1, n2 = n2, n1

    for i in range(1, n1 + 1):
        if n1 % i == 0 and n2 % i == 0:
            hcf=i
    return hcf == 1

flag=co_prime(n1,n2)
if flag:
    print("The given two numbers are co-prime")
else:
    print("The given two numbers are non co-prime numbers")
```

3. WAP to display the Fibonacci Series based on the given position

```
pos=int(input("Enter the position value: "))
n=pos
n1=0
n2=1
print(n1)
while pos>0:
    n3=n1+n2
    n1=n2
    n2=n3
    pos-=1
    print(n1)
print("Value at",n,"is",n3)
```

4. WAP to find the LCM of two numbers

```
def lcm(n1,n2):
    max_value = max(n1, n2)
    while True:
        if max_value % n1==0 and max_value % n2==0:
            lcm = max_value
            return lcm
        max_value+=1

n1=int(input("Enter a number: "))
n2=int(input("Enter another number: "))

value=lcm(n1,n2)
print("The lcm of",n1,"and",n2,"is",value)
```