

1) Write a python program to test a given number is prime or not:

```
num = int(input("Enter num: "))
for i in range(2,num):
    if (num % i == 0):
        print("Given number is not a prime")
        break
else:
    print("Given number is prime")
```

2) Write a python program to generate odd numbers from m to n using while loop:

```
m = int(input())
n = int(input())
i = m
while(i < n+1):
    if(i % 2 != 0):
        print(i)
    i += 1
```

3) Write a python program to display prime number series up to given numbers:

```
num = int(input("Enter the number : "))
for i in range(2, num + 1):
    if i > 1:
        for j in range(2, i):
            if (i % j) == 0:
                break
        else:
            print(i)
```

4) Write a python program to generate fibonacci series:

```
num = int(input("Enter the number: "))
x = -1
y = 1
for i in range(num):
    ans = x + y
    x = y
    y = ans
    print(ans)
```