

```
#1 st program
num = int(input("Enter a number: "))
flag = False
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            flag = True
            break
if flag:
    print(num, "is not a prime number")
else:
    print(num, "is a prime number")
```

2. Python program to print odd Numbers in given range

```
start, end = 4, 19
for num in range(start, end + 1):
    if num % 2 != 0:
        print(num, end = " ")
```

```
#3 program
lower = 900
upper = 1000
```

```
print("Prime numbers between", lower, "and", upper, "are:")
```

```
for num in range(lower, upper + 1):
    if num > 1:
        for i in range(2, num):
            if (num % i) == 0:
                break
        else:
            print(num)
```

```
#4program
# Program to display the Fibonacci sequence up to n-th term
```

```
nterms = int(input("Total No of terms "))
n1, n2 = 0, 1
count = 0
```

```
if nterms <= 0:
    print("Please enter a positive integer")
elif nterms == 1:
    print("Fibonacci sequence upto",nterms,":")
    print(n1)
```

```
else:  
    print("Fibonacci sequence:")  
    while count < nterms:  
        print(n1)  
        nth = n1 + n2  
        # update values  
        n1 = n2  
        n2 = nth  
        count += 1
```