

pythonProject18 > main.py

main.py scratch.py

```

1  n=int(input("Enter Number"))#input from user
2  #=====PRIME CHECK=====
3  flag=0
4  for i in range(2,n):#looping to check if number is divisible by other numbers
5      if n%i==0:
6          flag=1 #setting flag value to 1
7          print(i) #printing value of i for which n is divisible
8          break # exit from the if clause
9  if flag==1: #checking if the value of flag is 1 then print it is not prime
10     print(n,"is not a Prime")
11 else: #else print prime and the value of n
12     print(n,"is prime")
13 #=====PALINDROME CHECK=====
14 x=n # storing the value of in variable x
15 sum=0 # initializing the value of sum to be 0
16 while x>0: #starting while loop with condition x is non zero
17     r=x%10 # storing remainder in variable r
18     sum=sum*10+r # adding remainder with sum
19     x=x//10 #true division of x
20 if sum==n: #checking if sum and n both are equal
21     print(n,"is a prime Palindrome")#if equal print it is palindrom
22 else:
23     print(n,"is not a prime Palindrome")#else not palindrome

```

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main.py × scratch.py ×

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Run: main ✕

```
C:\Users\himan\PycharmProjects\pythonProject18\venv\Scripts\python.exe C:\Users\himan\PycharmProjects\pythonProject18\main.py
Enter Number131
131 is prime
131 is a  prime Palindrome

Process finished with exit code 0
```

```

1  n=int(input("Enter Number"))#input from user
2  #=====PRIME CHECK=====
3  flag=0
4  for i in range(2,n):#looping to check if number is divisible by other numbers
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10     print(n,"is not a Prime")
11 else: #else print prime and the value of n
12     print(n,"is prime")
13 #=====PALINDROME CHECK=====
14 x=n # storing the value of n in variable x

```

Run: main

```

C:\Users\himan\PycharmProjects\pythonProject18\venv\Scripts\python.exe C:\Users\himan\PycharmProjects\pythonProject18\main.py
Enter Number3663
3
3663 is not a Prime

Process finished with exit code 0

```

```

1  n=int(input("Enter Number"))#input from user
2  #=====PRIME CHECK=====
3  flag=0
4  for i in range(2,n):#looping to check if number is divisible by other numbers
5      if n%i==0:
6          flag=1 #setting flag value to 1
7          print(i) #printing value of i for which n is divisible
8          break # exit from the if clause
9  if flag==1: #checking if the value of flag is 1 then print it is not prime
10     print(n,"is not a Prime")
11 else: #else print prime and the value of n
12     print(n,"is prime")
13 #=====PALINDROME CHECK=====
14 x=n # storing the value of n in variable x

```

Run: main

```

C:\Users\himan\PycharmProjects\pythonProject18\venv\Scripts\python.exe C:\Users\himan\PycharmProjects\pythonProject18\main.py
Enter Number212
2
212 is not a Prime

Process finished with exit code 0

```