My Inspiration
Late. Shivlal Dhamone

Subject Teacher
Santosh Dhamone

Practical No. 24: Practical based on accepting a positive integer from the user and checking whether it is prime or composite or neither.

Subject Teacher
Santosh Dhamone

Assistant Professor in Mathematics
Art's Commerce and Science College,Onde
Tal:- Vikramgad, Dist:- Palghar

ssdhamone@acscollegeonde.ac.in
www.santoshdhamone.com

5^{th} October 2024

Practical based on accepting a positive integer from the user and checking whether it is prime or composite or neither:

My Inspiration
Late. Shivlal Dhamone

Subject Teacher
Santosh Dhamone

Python Code With Output:: Prime or Composite

```
# Practical based on accepting a positive integer from the user and
# checking whether it is prime or composite or neither.
num = int(input("Enter any number : "))
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            print(num, "is NOT a prime number")
            break
    else:
        print(num, "is a PRIME number")
elif num == 0 or 1:
    print(num, "is a neither prime NOR composite number")
else:
    print(num, "is NOT a prime number it is a COMPOSITE number")
```

```
Enter any number :  13
13 is a PRIME number
```

Practical based on accepting a positive integer from the user and checking whether it is prime or composite or neither:

My Inspiration
Late. Shivlal Dhamone

Subject Teacher
Santosh Dhamone

Python Code With Output:: Prime or Composite

```
# Practical based on accepting a positive integer from the user and
# checking whether it is prime or composite or neither.
num = int(input("Enter any number : "))
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            print(num, "is NOT a prime number")
            break
    else:
        print(num, "is a PRIME number")
elif num == 0 or 1:
    print(num, "is a neither prime NOR composite number")
else:
    print(num, "is NOT a prime number it is a COMPOSITE number")
```

```
Enter any number :  24
24 is NOT a prime number
```

SANTOSH S DHAMONE
Mathematics Professor
www.santoshdhamone.com
Learn mathematics free with us

Practical based on accepting a positive integer from the user and checking whether it is prime or composite or neither:

My Inspiration
Late. Shivlal Dhamone

Subject Teacher
Santosh Dhamone

Python Code With Output:: Prime or Composite

```
# Practical based on accepting a positive integer from the user and
# checking whether it is prime or composite or neither.
num = int(input("Enter any number : "))
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            print(num, "is NOT a prime number")
            break
    else:
        print(num, "is a PRIME number")
elif num == 0 or 1:
    print(num, "is a neither prime NOR composite number")
else:
    print(num, "is NOT a prime number it is a COMPOSITE number")
```

```
Enter any number :  12345
12345 is NOT a prime number
```

Practical based on accepting a positive integer from the user and checking whether it is prime or composite or neither:

My Inspiration
Late. Shivlal Dhamone

Subject Teacher
Santosh Dhamone

Python Code With Output:: Prime or Composite

```
# Practical based on accepting a positive integer from the user and
# checking whether it is prime or composite or neither.
num = int(input("Enter any number : "))
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            print(num, "is NOT a prime number")
            break
    else:
        print(num, "is a PRIME number")
elif num == 0 or 1:
    print(num, "is a neither prime NOR composite number")
else:
    print(num, "is NOT a prime number it is a COMPOSITE number")
```

```
Enter any number :  357
357 is NOT a prime number
```