Day 20 coding Statement : Write a program to identify if the number is Prime number or not

Description: Get a number as input from the user and check whether that number is prime or not.

A prime number is a number with factors as 1 and that number itself.

Input: 1

Output: 1 is not a prime number

Input: 5

Output: 5 is a prime number

CODE:

```
num = int(input("Enter Number: "))
if num == 1:
    print("1 is not a prime number.")
else:
    for i in range(2, (num // 2) + 1):
        count = 0
        if num % i == 0:
            count += 1
    if count != 0:
        print(num,"is not a prime number.")
    else:
        print(num,"is a prime number.")
```

OUTPUT:

```
Enter Number: 1
1 is not a prime number.

Process finished with exit code 0
```

```
Enter Number: 5
5 is a prime number.

Process finished with exit code 0
```

```
Enter Number: 26
26 is not a prime number.

Process finished with exit code 0
```