Day 22 coding Statement : Write a program to express a number as a sum of two prime numbers

Description: Get a number as input from the user and express that number as sum of two prime numbers.

Input: 4

Outpu: 4 can be expressed as sum of 2 and 2

CODE

```python
num = int(input("Enter Number: "))
li =[]
for i in range(2, num):
    count = 0
    for j in range(2, i):
        if i % j == 0:
            count += 1
    if count == 0:
        li.append(i)


for i in range(0, len(li)):
    for j in range(i, len(li)):
        add = li[i] + li[j]
        if num == add:
            print(num, "can be expressed as ", li[i], "+", li[j])
```

OUTPUT:

```
Enter Number: 4
4 can be expressed as  2 + 2


Process finished with exit code 0
```

```
Enter Number: 14
14 can be expressed as  3 + 11
14 can be expressed as  7 + 7


Process finished with exit code 0
```