In [57]:

```python
# factors of a number
# 8 factors (1,2,4,8)

n = int(input("enter n value: "))
count = 0
for i in range(1,n+1):
    if n % i == 0:
        print(i,end = " ")
        count = count + 1
print("the no. of factors are:",count)
```

enter n value: 70
1 2 5 7 10 14 35 70 the no. of factors are: 8

In [27]:

```python
s = int(input("enter s value: "))  # factorial of a number
fact = 1
for i in range(2,s+1):
    fact = fact * i
print(fact)
```

enter s value: 6
720

In [8]:

```python
print(5/2)      # difference between /(quoient) and //(int part of quotient) and %(remair
print(5//2)
print(5%2)
```

2.5
2
1

In [67]:

```python
n = int(input("enter n value: "))     # prime number
count = 0
for i in range(1,n+1):
    if n % i == 0:
        print(i)
        count = count+1
print("the no. of factors are:",count)
if count == 2:
    print(n,"prime number")
else:
    print(n,"not prime")
```

```
enter n value: 83
1
83
the no. of factors are: 2
83 prime number
```

In [92]:

```python

```

In [ ]:

```python

```