In [1]:
```
#Write a python program to find whether a number is prime or composite.
```

In [5]:
```
n=int(input('enter number'))
count=0
i=1
while(i<=n):
    if(n%i==0):
        count=count+1
    i=i+1
if(count==2):
    print('prime')
else:
    print('composite')
```

```
enter number7
prime
```

In [6]:
```
n=int(input('enter number'))
count=0
i=1
while(i<=n):
    if(n%i==0):
        count=count+1
    i=i+1
if(count==2):
    print('prime')
else:
    print('composite')
```

```
enter number8
composite
```

In [7]:
```
#Write a python program to check whether a given string is palindrome or not.
```

In [8]:
```
a=input('enter string:')
b=a[-1::-1]
if(a==b):
    print('palindrome')
else:
    print('not palindrome')
```

```
enter string:madam
palindrome
```

In [9]:
```
a=input('enter string:')
b=a[-1::-1]
if(a==b):
    print('palindrome')
else:
    print('not palindrome')
```

```
enter string:sir
not palindrome
```

In [10]:
```
#Write a Python program to get the third side of right-angled triangle from two given sides.
```

In [11]:
```
from math import sqrt
print('enter the lengths of two shorter sides:')
a=float(input('side a is : '))
b=float(input('side b is : '))
h=sqrt(a**2 + b**2)
print('the hypotenuse side is ', h)
```

```
enter the lengths of two shorter sides:
side a is : 5
side b is : 6
the hypotenuse side is  7.810249675906654
```

In [14]:
```
from math import sqrt
print('enter the lengths of two shorter sides:')
a=float(input('side a is : '))
b=float(input('side b is : '))
c=sqrt(a**2 + b**2)
print('c',c)
```

```
enter the lengths of two shorter sides:
side a is : 7
side b is : 8
c 10.63014581273465
```

In [15]:

In [ ]:

In [ ]:

In [ ]: