In [1]:
```
if True:
    print('hello')
```

```
hello
```

In [3]:
```
if False:
    print('hello')
```

In [4]:
```
if True:
print('hello')
```

```
  Cell In[4], line 2
    print('hello')
    ^
IndentationError: expected an indented block after 'if' statement on line 1
```

In [5]:
```
if True:
 print('hello')
```

```
hello
```

In [7]:
```
if True:
  print('hello')
```

```
hello
```

In [8]:
```
if True:
   print('hello')
```

```
hello
```

In [9]:
```
if True:
    print('hello')
```

```
hello
```

In [10]:
```
if True:
     print('hello')
```

```
hello
```

In [11]:
```
if True:
      print('hello')
```

```
hello
```

In [12]:
```
if True:
                          print('hello')
```

```
hello
```

In [13]:
```
if False:
    print('bye')
```

In [14]:
```
if True:
    print('Data Science')
    print('bye for now')
```

```
Data Science
bye for now
```

In [15]:
```
if True:
    print('Data Science')

print('bye for now')
```

```
Data Science
bye for now
```

In [16]:
```
if True:
    print('Data Science')
print('bye for now')
```

```
Data Science
bye for now
```

In [17]:
```
if True:
print('Data Science')
print('bye for now')
```

```
  Cell In[17], line 2
    print('Data Science')
    ^
IndentationError: expected an indented block after 'if' statement on line 1
```

In [18]:
```
if True:
    print('Data Science')
print('bye for now')
```

```
Data Science
bye for now
```

In [19]:
```
if False:
    print('Data Science')
    print('bye for now')
```

In [20]:
```
if False:
    print('Data Science')
print('bye for now')
```

```
bye for now
```

if else

In [21]:
```
if True:
    print('Data Science')
else:
    print('bye for now')
```

```
Data Science
```

In [23]:
```
if False:
    print('Data Science')
else:
    print('bye for now')
```

```
bye for now
```

In [24]:
```
if False:
    print('Data Science')
```

```
else:
print('bye for now')
```

```
  Cell In[24], line 4
    print('bye for now')
    ^
IndentationError: expected an indented block after 'else' statement on line 3
```

In [25]:
```
if False:
    print('Data Science')
else:
          print('bye for now')
```

```
bye for now
```

write a python code to check whether number is even or odd

In [26]:
```
x=4
r= x % 2
if r == 0:
    print('Even number')
```

```
Even number
```

In [27]:
```
x=5
r=x%2
if r==0:
    print('Even number')
```

In [29]:
```
x=5
r=x%2
if r==0:
    print('Even number')
else:
    print('Odd number')
```

```
Odd number
```

In [31]:
```
x=5
r=x%2
if r==0:
    print('Even number')
if r==1:
    print('Odd number')
```

```
Odd number
```

In [33]:
```
x=5
r=x%2
if r != 0:
    print('Odd number')
else:
    print('Even number')
```

```
Odd number
```

In [36]:
```
x=6
```

```
r=x%2
if r==0:
    print('Even number')
else:
    print('Odd number')
```

```
Even number
```

In [41]:
```
x=6
r=x%2
if r==0:
    print('Even number')
  print('Odd number')
```

```
  File <string>:5
    print('Odd number')
                       ^
IndentationError: unindent does not match any outer indentation level
```

In [42]:
```
x=6
r=x%2
if r==0:
    print('Even number')
print('Odd number')
```

```
Even number
Odd number
```

In [43]:
```
x=6
r=x%2
if r==0:
    print('Even number')
    print('Odd number')
```

```
Even number
Odd number
```

In [44]:
```
x=6
r=x%2
if r==0:
    print('Even number')
       print('Odd number')
```

```
  Cell In[44], line 5
    print('Odd number')
    ^
IndentationError: unexpected indent
```

In [45]:
```
x=6
r=x%2
if r==0:
    print('Even number')
    print('Odd number')
```

```
Even number
Odd number
```

In [46]:
```
x=5
r=x%2
if r==0: print('Even number')
else:  print('Odd number')
```

```
Odd number
```

In [47]:
```
x=10
r=x%2
if r==0:
    print('Even number')
if r==1:
    print('Odd number')
```

```
Even number
```

In [48]:
```
x=9
r=x%2
if r==0:
    print('Even number')
if r!=0:
    print('Odd number')
```

```
Odd number
```

In [49]:
```
x=4
r=x%2
if r==0:
    print('Even number')
else:
    print('Odd number')
```

```
Even number
```

In [50]:
```
x=3
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('Greater number')
else:
    print('Odd number')
```

```
Odd number
```

In [51]:
```
x=6
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('Greater Number')
    else:
        print('Smaller Number')
else:
    print('Odd Number')
```

```
Even number
Greater Number
```

In [52]:
```
x=4
if x==1:
    print('one')
if x==2:
    print('two')
if x==3:
    print('Three')
```

```
if x==4:
    print('Four')
```

```
Four
```

In [54]:
```
x=4
r=x%2
if r==0:
    print('Even number')
if x==1:
    print('one')
if x==2:
    print('two')
if x==3:
    print('Three')
if x==4:
    print('Four')
```

```
Even number
Four
```

In [55]:
```
x=4
r=x%2
if r==0:
    print('Even number')
if x==1:
    print('one')
if x==2:
    print('two')
if x==3:
    print('Three')
if x==4:
    print('Four')
else:
    print('Odd number')
```

```
Even number
Four
```

In [56]:
```
x=2
if x==1:
    print('One')
elif x==2:
    print('Two')
elif x==3:
    print('Three')
elif x==4:
    print('Four')
```

```
Two
```

In [57]:
```
x=10
if x==1:
    print('One')
elif x==2:
    print('Two')
elif x==3:
    print('Three')
elif x==4:
    print('Four')
```

Multiple if

In [58]:
```
x=5
r=x%2
if r==0:
    print('Even number')
if x==1:
    print('one')
if x==2:
    print('two')
if x==3:
    print('Three')
if x==4:
    print('Four')
else:
    print('Odd number')
```

```
Odd number
```

if elif

In [59]:
```
x=10
if x==1:
    print('One')
elif x==2:
    print('Two')
elif x==3:
    print('Three')
elif x==4:
    print('Four')
else:
    print('number not found')
```

```
number not found
```

In [60]:
```
num=int(input("Enter a number:"))
if num>0:
    print('positive')
elif num<0:
    print('negative')
else:
    print('zero')
```

```
positive
```

In [61]:
```
num=int(input('enter a number'))
if num>0:
    print('Positive')
elif num<0:
    print('Negative')
else:
    print('Zero')
```

```
Negative
```

In [63]:
```
num=int(input('enter a number'))
if num>0:
```

```
    print('positive')
elif num<0:
    print('Negative')
else:
    print('zero')
```

```
zero
```

In [1]:
```
x=6
r=x%2
if r==0:
    print('Even number')
    if x>8:
        print('Greater Number')
    else:
        print('Smaller Number')
else:
    print('Odd Number')
```

```
Even number
Smaller Number
```

In [ ]:
```

```