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

```
hello
```

In [2]:
```
if True:
print('hello')
```

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

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

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

print('Bye Now')
```

```
Data Science
Bye Now
```

In [8]:
```
if False:
    print('Data Science')
print('Hey Bye for now')
```

```
Hey Bye for now
```

In [9]:
```
if True:
    print('Data Science')
else:
    print('Bye')
```

```
Data Science
```

In [10]:
```
if False:
    print('Data Science')
else:
    print('Bye for now')
```

```
Bye for now
```

Write a python code to check whether a number is Even or Odd

In [11]:
```
x = 4
r = x%2
if r==0:
    print('even number')
```

```
even number
```

In [13]:
```
x = 5
r = x%2
```

```
if r==0:
    print('Even number')
```

In [16]:
```
x = 6
r =x%2
if r==0:
    print('even number')
if r==1:
    print('odd number')
```

```
even number
```

In [18]:
```
x = 7
r =x%2
if r==0:
    print('even number')
else:
    print('odd number')
```

```
odd number
```

In [19]:
```
x = 8
r = x%2
if r==0:
    print('even number')
print('odd number')
```

```
even number
odd number
```

In [20]:
```
x = 4
r = x % 2

if r == 0:
    print('Even number')
else:
    print('odd number')
```

```
Even number
```

In [21]:
```
x = 5
r = x%2
if r==0: print('even number')
else: print('odd number')
```

```
odd number
```

In [22]:
```
x = 10
r = x % 2

if r == 0:
    print('Even number')
if r == 1:
    print('odd number')
```

```
Even number
```

In [23]:
```
x = 9
r = x % 2

if r == 0:
    print('Even number')
```

```
if r!=0:
    print('odd number')
```

```
odd number
```

Nested if

In [25]:
```
x = 3
r = x%2
if r==0:
    print('even number')
    if x>5:
        print('Greater number')
else:
    print('odd number')
```

```
odd number
```

In [26]:
```
x = 6
r = x%2
if r==0:
    print('even number')
    if x>5:
        print('Greater number')
else:
    print('odd number')
```

```
even number
Greater number
```

In [27]:
```
x = 4
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
Smaller number
```

In [28]:
```
x = 4

if x==1:
    print('One')
if x==2:
    print('Two')
if x==3:
    print('Three')
if x==4:
    print('Four')
```

```
Four
```

In [29]:
```
x = 2

if x==1:
```

```
    print('One')
if x==2:
    print('Two')
if x==3:
    print('Three')
if x==4:
    print('Four')
```

```
Two
```

In [30]:
```
x = 3

if x==1:
    print('One')
if x==2:
    print('Two')
if x==3:
    print('Three')
if x==4:
    print('Four')
```

```
Three
```

In [31]:
```
x = 2

if x==1:
    print('One')
elif x==2:
    print('Two')
elif x==3:
    print('Three')
```

```
Two
```

In [32]:
```
x =10

if x==1:
    print('One')
elif x==2:
    print('two')
elif x==3:
    print('Three')
else:
    print('Not a number')
```

```
Not a number
```

In [33]:
```
num = int(input('Enter the number: '))

if num>0:
    print('Positive')
elif num<0:
    print('Negative')
else:
    print('Zero')
```

```
Zero
```

In [34]:
```
num = int(input('Enter the number: '))

if num>0:
    print('Positive')
```

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

```
Positive
```

In [ ]: