In [2]:
```
a_number = 44
```

In [4]:
```
if a_number % 2 == 0:
    print("We're inside an if block")
    print("The given number {} is even.".format(a_number))
```

```
We're inside an if block
The given number 44 is even.
```

In [5]:
```
another_number = 33
```

In [8]:
```
if another_number % 2 == 0:
    print('The given number {} is even.'.format(another_number))
```

In [16]:
```
a_number = 34
```

In [17]:
```
if a_number % 2 == 0:
    print('The given number {} is even.'.format(a_number))
else:
    print('The given number {} is odd.'.format(a_number))
```

```
The given number 34 is even.
```

In [18]:
```
another_number = 33
```

In [19]:
```
if another_number % 2 == 0:
    print('The given number {} is even.'.format(another_number))
else:
    print('The given number {} is odd.'.format(another_number))
```

```
The given number 33 is odd.
```

In [11]:
```
today = 'Thrusday'
```

In [12]:
```
if today == 'Sunday':
    print("Today is the day of the sun.")
elif today == 'Monday':
    print("Today is the day of the moon.")
elif today == 'Tuesday':
    print("Today is the day of Tyr,the god of war.")
elif today == 'Wednesday':
    print("Today is the day of Odin,the supreme diety.")
elif today == 'Thrusday':
    print("Today is the day of Thor,the god of thunder.")
elif today == 'Friday':
    print("Today is the day of Frigga,the goddess of beauty.")
elif today == 'Saturday':
    print("Today is the day of Saturn,the god of fun and feasting.")
```

```
Today is the day of Thor,the god of thunder.
```

In [27]:
```
today = 'Saturday'
```

In [28]:
```
if today == 'Sunday':
    print("Today is the day of the sun.")
elif today == 'Monday':
    print("Today is the day of the moon.")
elif today == 'Tuesday':
    print("Today is the day of Tyr,the god of war.")
elif today == 'Wednesday':
    print("Today is the day of Odin,the supreme diety.")
elif today == 'Thrusday':
    print("Today is the day of Thor,the god of thunder.")
elif today == 'Friday':
    print("Today is the day of Frigga,the goddess of beauty.")
elif today == 'Saturday':
    print("Today is the day of Saturn,the god of fun and feasting.")
```

```
Today is the day of Saturn,the god of fun and feasting.
```

In [23]:
```
today = 'Sunday'
```

In [24]:
```
if today == 'Sunday':
    print("Today is the day of the Sun.")
```

```
Today is the day of the Sun.
```

In [6]:
```
a_number = 15
```

In [7]:
```
if a_number % 2 == 0:
    print('{} is divisible by 2.'.format(a_number))
elif a_number % 3 == 0:
    print('{} is divisible by 3.'.format(a_number))
elif a_number % 5 == 0:
    print('{} is divisible by 5.'.format(a_number))
elif a_number % 7 == 0:
    print('{} is divisible by 7.'.format(a_number))
```

```
15 is divisible by 3.
```

In [9]:
```
a_number = 25
```

In [10]:
```
if a_number % 2 == 0:
    print('{} is divisible by 2.'.format(a_number))
elif a_number % 3 == 0:
    print('{} is divisible by 3.'.format(a_number))
elif a_number % 5 == 0:
    print('{} is divisible by 5.'.format(a_number))
elif a_number % 7 == 0:
    print('{} is divisible by 7.'.format(a_number))
```

```
25 is divisible by 5.
```

In [52]:
```
a_number = 35
```

In [53]:
```
if a_number % 2 == 0:
    print('{} is divisible by 2.'.format(a_number))
elif a_number % 3 == 0:
    print('{} is divisible by 3.'.format(a_number))
elif a_number % 5 == 0:
    print('{} is divisible by 5.'.format(a_number))
elif a_number % 7 == 0:
    print('{} is divisible by 7.'.format(a_number))
```

```
35 is divisible by 5.
```

In [65]:
```
a_number = 10
```

In [66]:
```
if a_number % 2 == 0:
    print('{} is divisible by 2.'.format(a_number))
if a_number % 5 == 0:
    print('{} is divisible by 5.'.format(a_number))
```

```
10 is divisible by 2.
10 is divisible by 5.
```

In [4]:
```
a_number = 49
```

In [5]:
```
if a_number % 2 == 0:
    print('{} is divisible by 2'.format(a_number))
elif a_number % 3 == 0:
    print('{} is divisible by 3'.format(a_number))
elif a_number % 5 == 0:
    print('{} is divisible by 5'.format(a_number))
else:
    print('All checks failed!')
    print('{} is not divisible by 2, 3 or 5'.format(a_number))
```

```
All checks failed!
49 is not divisible by 2, 3 or 5
```

In [ ]:
```
```