Best Summer Job for High School Students

What will you learn in today's lesson?

- **What makes a good job**

- **What is a data frame**

- **What is a function in python**

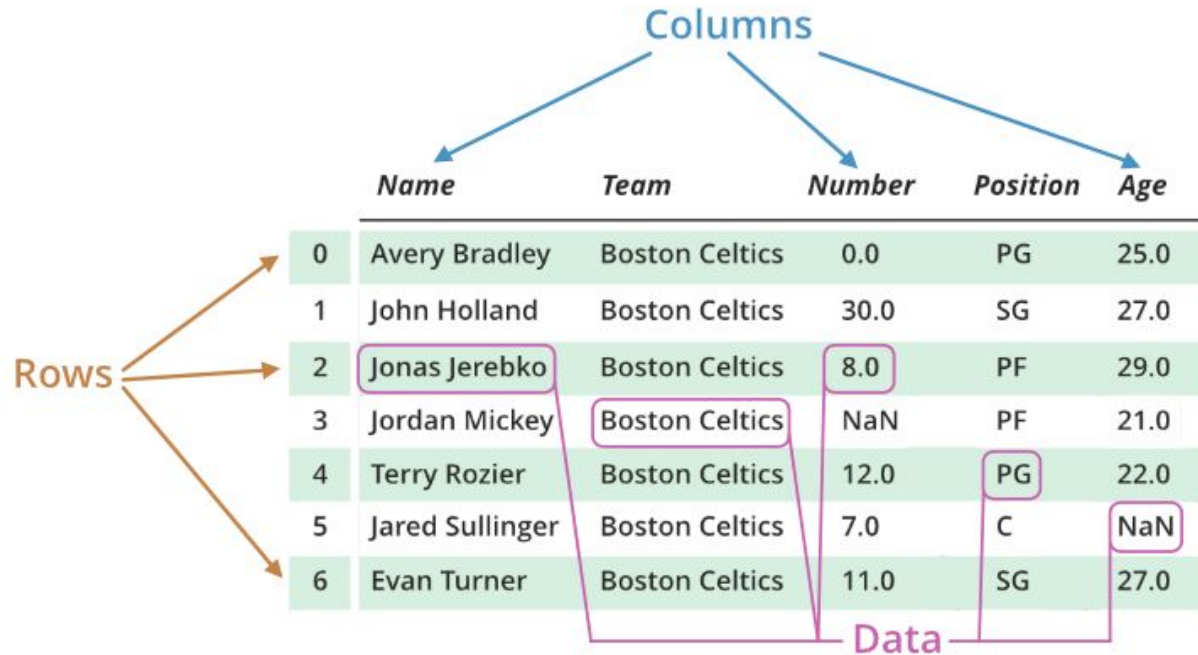- **Finding the best summer job based on preferences**

What are things you look for in a job?

What is a data frame?

- A data frame is simply data represented in a table with r _ _ _ and c _ _ _ _ _ _

- It consists of three principal components, the data, rows, and columns.

Data Frame Example

What is a function?

- A function is a block of c _ _ _ that runs when it is called

- Functions are instructions that tell the computer to take the information we give, do something with it, and give us something new

- Why would you want to write a function instead of just writing out the code normally?

What is a conditional statement?

What is a boolean variable?


```
x = 4
y = 5
if y > x:
    print( " y is a larger number  than x " )
else:
    print(" y is a smaller number than x " )
```

As y > x, so the statement under

```
PyDev console: starting.

Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 2
>>> runfile('C:/Users/Aditya/PycharmProjects/Hell
y is a larger number  than x
```
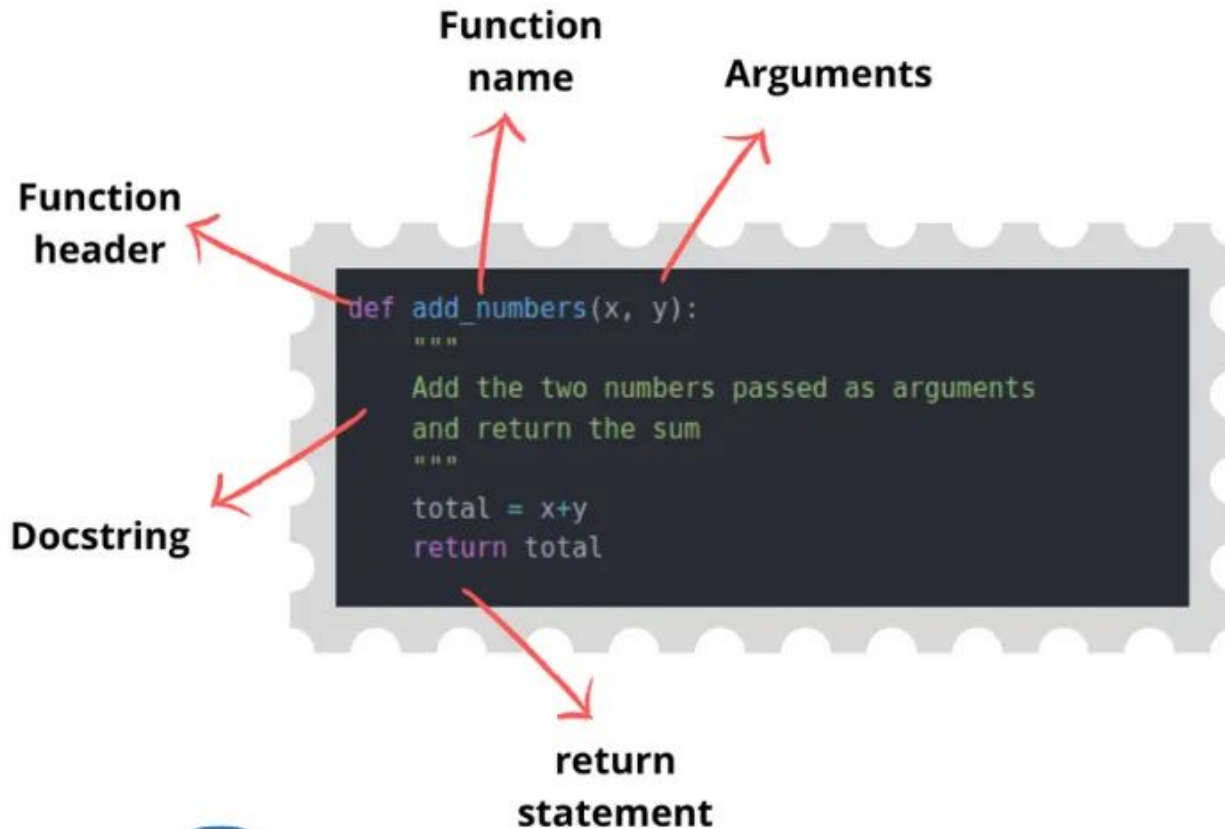


```
a = 20
b = 10
print(a > b)
print(b > a)
print(type(False))
```

```
sys.path.extend(['C:\\Users\\Aditya\\PycharmProjects\\Hello1',

PyDev console: starting.

Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC
>>> runfile("C:/Users/Aditya/PycharmProjects/Hello1/Hello.py',
True
False
<class 'bool'>
```

Function Example

Function name

Arguments

Function header

```
def add_numbers(x, y):
    """

    Add the two numbers passed as arguments
    and return the sum
    """

    total = x+y
    return total
```

Docstring

return statement

Last Question!

- **We will use our Jupyter Notebook to write a f _ _ _ _ _ _ _ that helps us find the best s _ _ _ _ _ j _ _**