In [2]:
```
#list = used to store multiple items in a single variable
food = ['pizza','burger','fries']
print(food)
```

```
['pizza', 'burger', 'fries']
```

In [3]:
```
#if we want to get an item we have to use indexing
print(food[0])
```

```
pizza
```

In [4]:
```
print(food[1])
```

```
burger
```

In [5]:
```
print(food[2])
```

```
fries
```

In [7]:
```
print(food[4])
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-7-920badc6a1eb> in <module>
----> 1 print(food[4])

IndexError: list index out of range
```

In [8]:
```
#opss if we enter a false index its out of range
food[0] = 'sushi'
print(food)
```

```
['sushi', 'burger', 'fries']
```

In [11]:
```
#the item at index 0 changes
for i in food:
    print(i+' ',end='')
```

```
sushi burger fries
```

In [12]:
```
#the list can hold any item like an integer
numbers = [1,2,3,4]
print(numbers)
```

```
[1, 2, 3, 4]
```

In [14]:
```
print(numbers[0]+numbers[1])
```

```
3
```

In [20]:
```
#what is want to increase each number with two
for i in range(len(numbers)):
    numbers[i] +=2
print(numbers)
```

```
[5, 8, 7, 8]
```

In [26]:
```
#now the func of lists
# the append func that add an item at the end of a list
food.append('ice cream')
print(food)
```

```
['sushi', 'burger', 'fries', 'ice cream']
```

In [27]:
```
#the remove func
food.remove('fries')
print(food)
```

```
['sushi', 'burger', 'ice cream']
```

In [28]:
```
#the pop func that remove the last item
food.pop()
print(food)
```

```
['sushi', 'burger']
```

In [29]:
```
#the insert func that add item at particular index
food.insert(0,'hammos')
print(food)
```

```
['hammos', 'sushi', 'burger']
```

In [30]:
```
#the sort func that sort all items in the list
numbers = [2,5,7,1,9,10,11,3]
numbers.sort()
print(numbers)
```

```
[1, 2, 3, 5, 7, 9, 10, 11]
```

In [31]:
```
food.sort()
print(food)
```

```
['burger', 'hammos', 'sushi']
```

In [33]:
```
#the clear func that remove all items
food.clear()
print(food)
```

```
[]
```

In [34]:
```
numbers.clear()
print(numbers)
```

```
[]
```