Zip() function in python

```
In [1]: emp=['arya','hari','krishna']
```

```
In [2]: sal=[1000,2000,4000]
```

```
In [3]: age=[18,20,22]
```

```
In [4]: print(emp)
```
```
['arya', 'hari', 'krishna']
```

```
In [5]: print(emp,sal)
```
```
['arya', 'hari', 'krishna'] [1000, 2000, 4000]
```

```
In [6]: print(emp,sal,age)
```
```
['arya', 'hari', 'krishna'] [1000, 2000, 4000] [18, 20, 22]
```

How to combine all three lists into single list

Solution: zip() function

```
In [8]: czip=zip(emp,sal,age)
```

```
In [9]: print(czip)
```
```
<zip object at 0x000001EC23980D08>
```

```
In [10]: lzip=list(czip)
```

```
In [11]: print(lzip)
```
```
[('arya', 1000, 18), ('hari', 2000, 20), ('krishna', 4000, 22)]
```

So What is zip function?

Ans: zip combines two or more lists into a single variable or single list.

Note: After combining, Each entry contains a tuple.

```
In [15]: emp=['arya','hari','krishna']
         sal=[1000,2000,4000]
         age=[18,20,22]
         czip=zip(emp,sal,age)
         lzip=list(czip)
         print(lzip)
```
```
[('arya', 1000, 18), ('hari', 2000, 20), ('krishna', 4000, 22)]
```

```
In [ ]:
```