## PYTHON METHODS

## (1) Reduce ()

Reduce is a python function that applies a binary function to the items of an averay list and reduces them to a single cumulative result.

(ex) from functools import reduce numbers = [1,2,3,4,5] roult = reduce (lambda 11, y: NX y, numbers) print (result).

[13,4,5] ourding

## 2) Map () Silver of the rolling - oradinary

In python, map function is used to apply a function to all items in a iterable (like list) and

and returns an iterator that produces
results. Two arguments: function to apply
and iterable
numbers = [1, 2, 3, 4, 5]
runbers = map (lamb da x: x \* x 2;
runt (list (squared)).

The filter function used to construct
an iterator from elements of an
iterator from elements of an
iterator for which a function
iterate for which a function
returns true two arguments: function to
apply and iterate.

humbers = [1,2,3,4,5]

even numbers = filter (lambda M: N-1.2 = = 0,
print (list (even numbers))

In it at with aldoned

9 Zip

function used to combine items from

2 or more iterables to truples. Fetwers

an iterator of tuple where ith tuple

contains it element from each ip vourable

name = ['Alice', 'Bob', 'Charlie']

ages = [25, 30, 35]

zipped-data = zip (numes, ages)

print (15t (zipped-data)).

(5) 10 10() function is used to get the identity (memory adobrem) of an object n = 42 print (id (M)) op: unique memory address