|  |  |
| --- | --- |
| list\_1=list() list\_2=[] print("List\_1 is {}".format(list\_1)) print("List\_2 is {}".format(list\_2)) print(list("the shit is equal")) *if* list\_1 == list\_2:  print("both ate equal")  print()  even = [2, 4, 6, 8] another\_even = even another\_even.sort(reverse=*True*) print(another\_even)  print(another\_even *is* even) #proves sort creats a new list  print()  another\_even=list(even) #pointing different memory #new list of even, using list constructor print(another\_even *is* even)  print()  print(another\_even == even) #contains same, but points different list  print()  odd=[1,3,5,7,9] new\_list=[even,odd] print((new\_list))  *for* i *in* new\_list:  print(i)  *for* v *in* i:  print(v)  print()  new\_list\_1=[even+odd] *for* x *in* new\_list\_1:  print(x)  *for* y *in* x:  print(y) | C:\Users\HP\PycharmProjects\Hello\_World\venv\Scripts\python.exe "C:/Users/HP/PycharmProjects/Hello\_World/Hello world.py"  List\_1 is []  List\_2 is []  ['t', 'h', 'e', ' ', 's', 'h', 'i', 't', ' ', 'i', 's', ' ', 'e', 'q', 'u', 'a', 'l']  both ate equal  [8, 6, 4, 2]  True  False  True  [[8, 6, 4, 2], [1, 3, 5, 7, 9]]  [8, 6, 4, 2]  8  6  4  2  [1, 3, 5, 7, 9]  1  3  5  7  9  [8, 6, 4, 2, 1, 3, 5, 7, 9]  8  6  4  2  1  3  5  7  9  Process finished with exit code 0 |