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| sr | Code | output | Output description |
| 1 | li=[1,2,3,4,5]  li2=[i for i in li if i%2==0]  what are the values in li2 ? | [2,4] | Copy all the even values from list 1 to list 2 |
| 2 | a=[i for i in range(1,11) if i%2==0]  print(a)  what is the output of the program ? | [2, 4, 6, 8, 10] | Print even number |
| 3 | a=[i for i in range(1,11) if i%2!=0]  print(a)  what is the output of the program ? | [1, 3, 5, 7, 9] | Print odd number |
| 4 | s="a1b2c3d4#"  a=[int(i) for i in s if i.isnumeric()]  print(a)  what is the output of the program ? | [1, 2, 3, 4] | print all the numeric values in list from the string |
| 5 | s="a1b2c3d4#"  a=[i for i in s if not i.isnumeric()]  print(a)  what is the output of the program ? | ['a', 'b', 'c', 'd', '#'] | print all the character except numbers in list from the string |
| 6 | s="hello world !!!"  a=[i.upper() for i in s]  print(a)  what is the output of the program ? | ['H', 'E', 'L', 'L', 'O', ' ', 'W', 'O', 'R', 'L', 'D', ' ', '!', '!', '!'] | print all characters of string in upper case |
| 7 | s="Hello world !!!"  a=[i for i in s if i in not "aeiou"]  print(a)  what is the output of the program ? | ['H', 'l', 'l', ' ', 'w', 'r', 'l', 'd', ' ', '!', '!', '!'] | print all characters of string that aren’t vowels in a list |
| 8 | a=[[i+j for i in "abc"] for j in "123"]  print(a)  what is the output of the program ? | [['a1', 'b1', 'c1'], ['a2', 'b2', 'c2'],  ['a3', 'b3', 'c3']] | Nested loop |