

# ASSIGNMENT 4

## Code:

#Task 1

```
list_1=[18,14,9,7]
```

```
list_2=[10,11,5,6]
```

```
new_list=list_1 + list_2
```

```
print(new_list)
```

#Task2

```
num=18
```

```
if num%2==0:
```

```
    print(num,"is an even number")
```

```
else:
```

```
    print(num,"is not an even number")
```

#Task3

```
my_dict={"key1":["dog","cat"],"key2":["bat","ball"],"key3":["sun","moon"]}
```

```
print(my_dict["key1"])
```

```
print(my_dict["key2"])
```

```
print(my_dict["key3"])
```

#Task4

```
def find_odd_numbers(numbers):
```

```
    odd_numbers=[]
```

```
    for number in numbers:
```

```
        if number%2!=0:
```

```
            odd_numbers.append(number)
```

```
    return odd_numbers
```

```
my_numbers=[2,5,7,9,3,1,8,6]
```

```
result=find_odd_numbers(my_numbers)
```

```
print("odd numbers in list:",result)
```

#Task5

```
def sum_numbers(numbers):
```

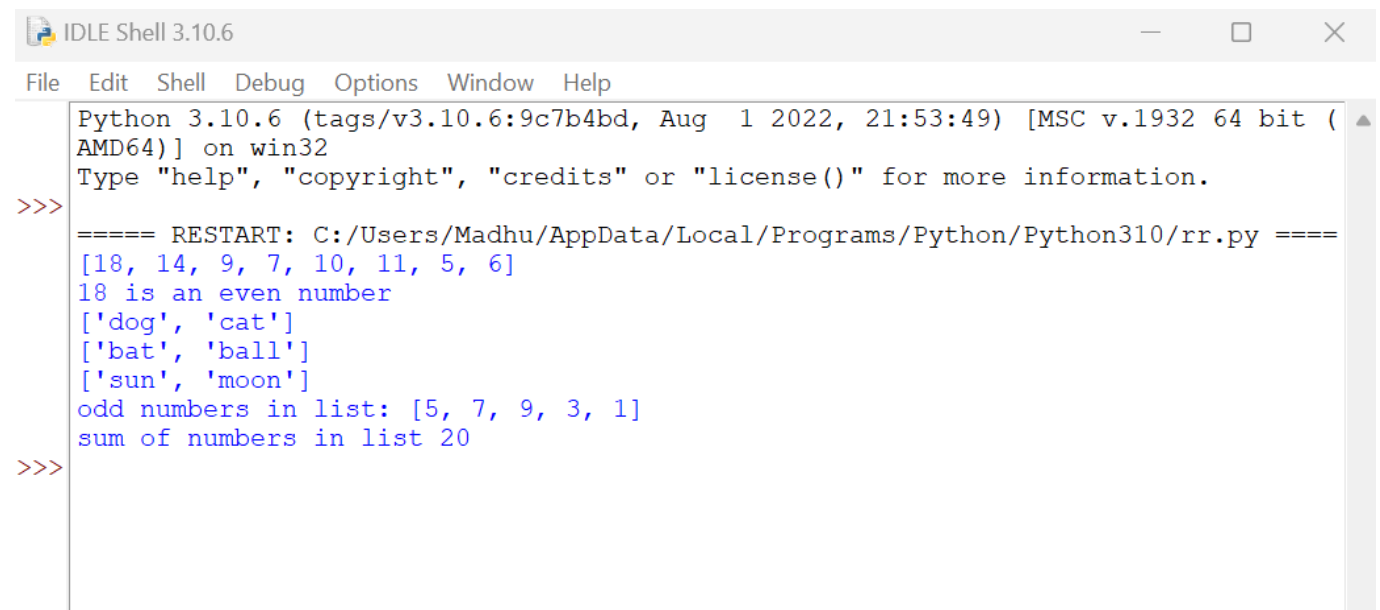
```
    total=0
```

```
    for number in numbers:
```

```
        total+=number
```

```
return total
my_numbers=[8,2,3,0,7]
res=sum_numbers(my_numbers)
print("sum of numbers in list",res)
```

## Output:



```
IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Madhu/AppData/Local/Programs/Python/Python310/rr.py =====
[18, 14, 9, 7, 10, 11, 5, 6]
18 is an even number
['dog', 'cat']
['bat', 'ball']
['sun', 'moon']
odd numbers in list: [5, 7, 9, 3, 1]
sum of numbers in list 20
>>>
```