

# AI ML ASSIGNMENT 1

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- Create two list and join those two list:

TASK 1

```
[ ] s1 = [1, 2, 3, 4]
    s2 = [5, 6, 7, 8]
    s3 = s1 + s2
    print(s3)

[1, 2, 3, 4, 5, 6, 7, 8]
```

- With If statement find the even numbers:

TASK 2

```
▶ n = [0, 1, 2, 3, 4, 5, 6, 7, 8]
  even = []

  for num in n:
    if num%2 == 0:
      even.append(num)

  print(even)

📄 [0, 2, 4, 6, 8]
```

- Create a dictionary with 3 keys and 2 values for each key:

TASK 3

```
[ ] keys = ['k1', 'k2', 'k3']
    values = [ [1, 2], [3, 4], [5, 6] ]
    the_dict = {}

    for i in range(len(keys)):
      the_dict[ keys[i] ] = values [i]

    print(the_dict)

📄 {'k1': [1, 2], 'k2': [3, 4], 'k3': [5, 6]}
```

- Create a function with If statement which is used to find the odd numbers:

#### TASK 4

```
[ ] n = [ 1, 2, 3, 4, 5, 6, 7, 8, 9 , 10]
    odd= []

    for num in n:
        if num%2 !=0:
            odd.append(num)

    print(odd)

[1, 3, 5, 7, 9]
```

- Python function to sum all the numbers in a list:

#### TASK 5

```
▶ l = [3, 9, 2, 5, 9, 3]

total = 0

for num in l:
    total+=num

print(total)
```

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