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)

31
```