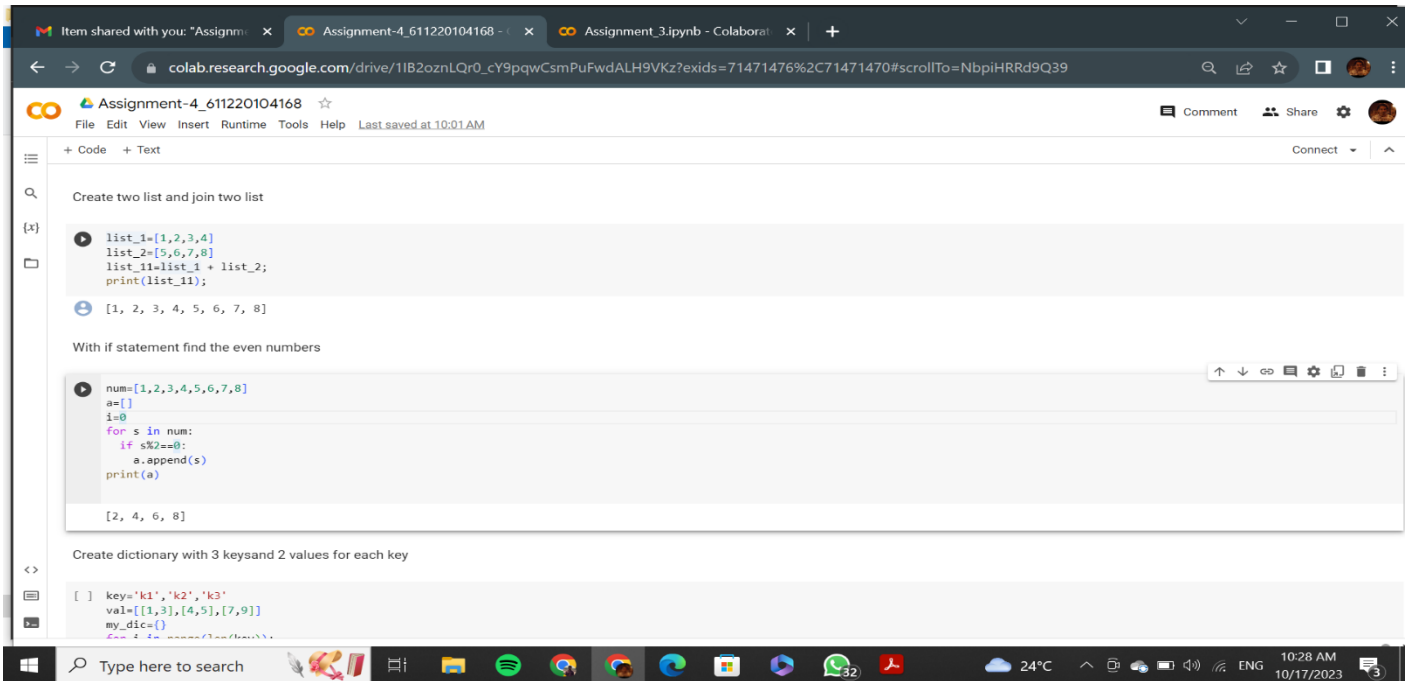


AI ML ASSIGNMENT 1

NAME: SURJIT KUMAR A

- Create two list and join those two list:



The screenshot shows a Google Colab notebook with the following content:

```
list_1=[1,2,3,4]
list_2=[5,6,7,8]
list_1=list_1 + list_2;
print(list_1);
```

The output of the first cell is: [1, 2, 3, 4, 5, 6, 7, 8]

The second cell contains the following code:

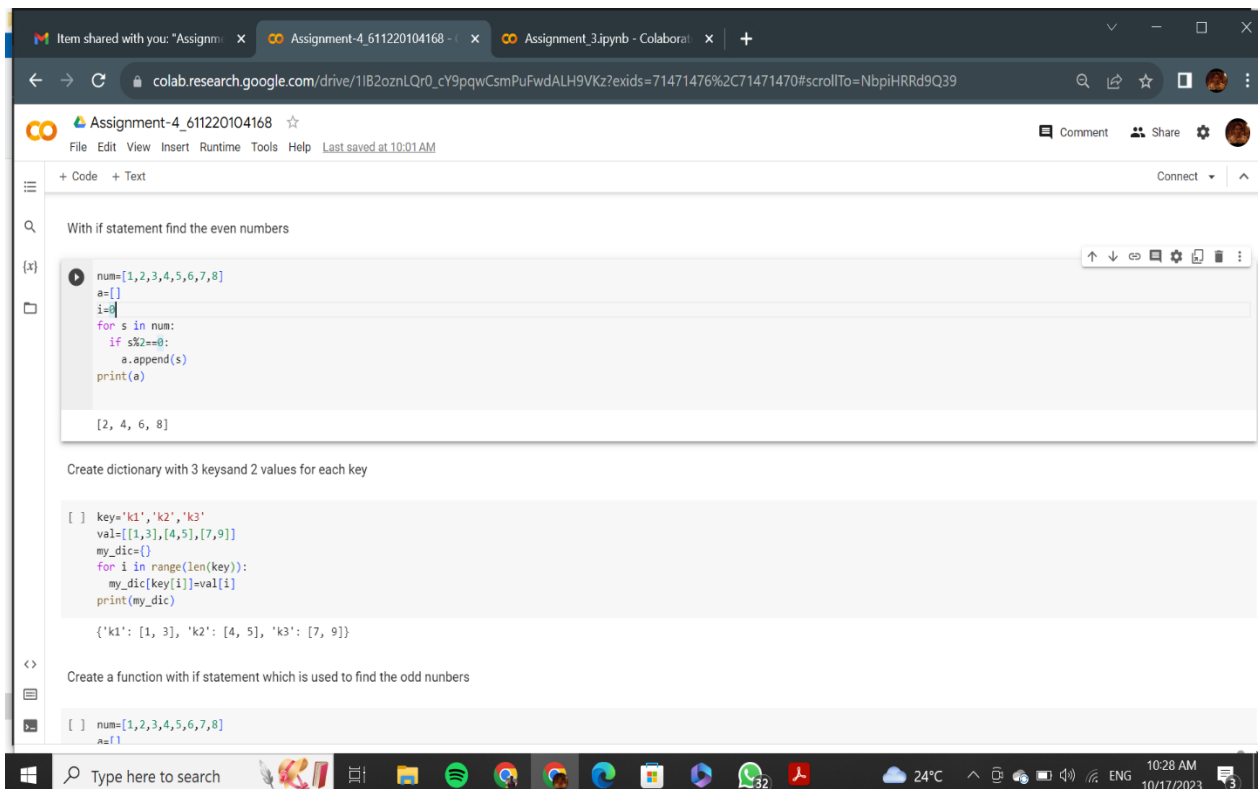
```
num=[1,2,3,4,5,6,7,8]
a=[]
i=0
for s in num:
    if s%2==0:
        a.append(s)
print(a)
```

The output of the second cell is: [2, 4, 6, 8]

The third cell contains the following code:

```
[ ] key='k1','k2','k3'
val=[[1,3],[4,5],[7,9]]
my_dic={}
for i in range(len(key)):
    my_dic[key[i]]=val[i]
print(my_dic)
```

- With If statement find the even numbers:



The screenshot shows a Google Colab notebook with the following content:

```
num=[1,2,3,4,5,6,7,8]
a=[]
i=0
for s in num:
    if s%2==0:
        a.append(s)
print(a)
```

The output of the first cell is: [2, 4, 6, 8]

The second cell contains the following code:

```
[ ] key='k1','k2','k3'
val=[[1,3],[4,5],[7,9]]
my_dic={}
for i in range(len(key)):
    my_dic[key[i]]=val[i]
print(my_dic)
```

The output of the second cell is: {'k1': [1, 3], 'k2': [4, 5], 'k3': [7, 9]}

The third cell contains the following code:

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

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

The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The notebook contains two code cells. The first cell is titled "Create dictionary with 3 keys and 2 values for each key" and contains the following Python code:

```
[ ] key='k1','k2','k3'
    val=[[1,3],[4,5],[7,9]]
    my_dic={}
    for i in range(len(key)):
        my_dic[key[i]]=val[i]
    print(my_dic)

{'k1': [1, 3], 'k2': [4, 5], 'k3': [7, 9]}
```

The second cell is titled "Create a function with if statement which is used to find the odd numbers" and contains the following Python code:

```
[ ] num=[1,2,3,4,5,6,7,8]
    a=[]
    i=0
    for s in num:
        if s%2!=0:
            a.append(s)
    print(a)

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

The notebook interface includes a menu bar with options like File, Edit, View, Insert, Runtime, Tools, and Help. The bottom status bar shows the time as 10:28 AM on 10/17/2023.

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

The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The notebook contains two code cells. The first cell is titled "Create a function with if statement which is used to find the odd numbers" and contains the following Python code:

```
[ ] num=[1,2,3,4,5,6,7,8]
    a=[]
    i=0
    for s in num:
        if s%2!=0:
            a.append(s)
    print(a)

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

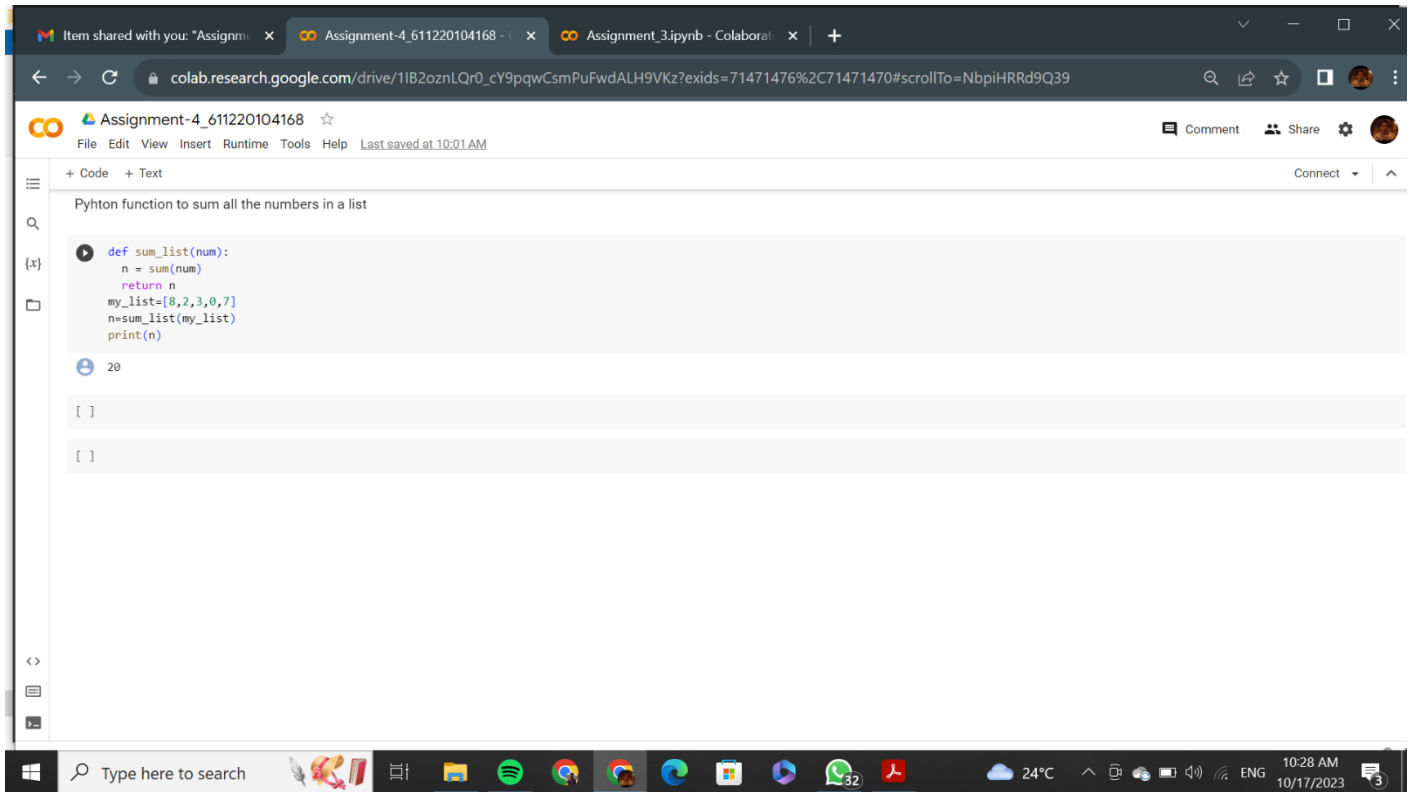
The second cell is titled "Python function to sum all the numbers in a list" and contains the following Python code:

```
[ ] def sum_list(num):
    n = sum(num)
    return n
my_list=[8,2,3,0,7]
n=sum_list(my_list)
print(n)

20
```

The notebook interface includes a menu bar with options like File, Edit, View, Insert, Runtime, Tools, and Help. The bottom status bar shows the time as 10:28 AM on 10/17/2023.

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



The screenshot shows a Google Colab notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/11B2oznLQr0_cY9pqwCsmPuFwdALH9VKz?exids=71471476%2C71471470#scrollTo=NbpiHRRd9Q39`. The notebook title is "Assignment-4_611220104168". The menu bar includes "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help", with a note "Last saved at 10:01 AM". The toolbar shows "+ Code", "+ Text", "Comment", "Share", and "Connect". The code editor contains the following Python code:

```
def sum_list(num):  
    n = sum(num)  
    return n  
my_list=[8,2,3,0,7]  
n=sum_list(my_list)  
print(n)
```

The output of the code is displayed as "20". Below the code editor, there are two empty input fields, each containing "[]". The Windows taskbar at the bottom shows the search bar, task view button, and several application icons (File Explorer, Spotify, Chrome, Edge, etc.). The system tray on the right indicates a temperature of 24°C, the time 10:28 AM, and the date 10/17/2023.