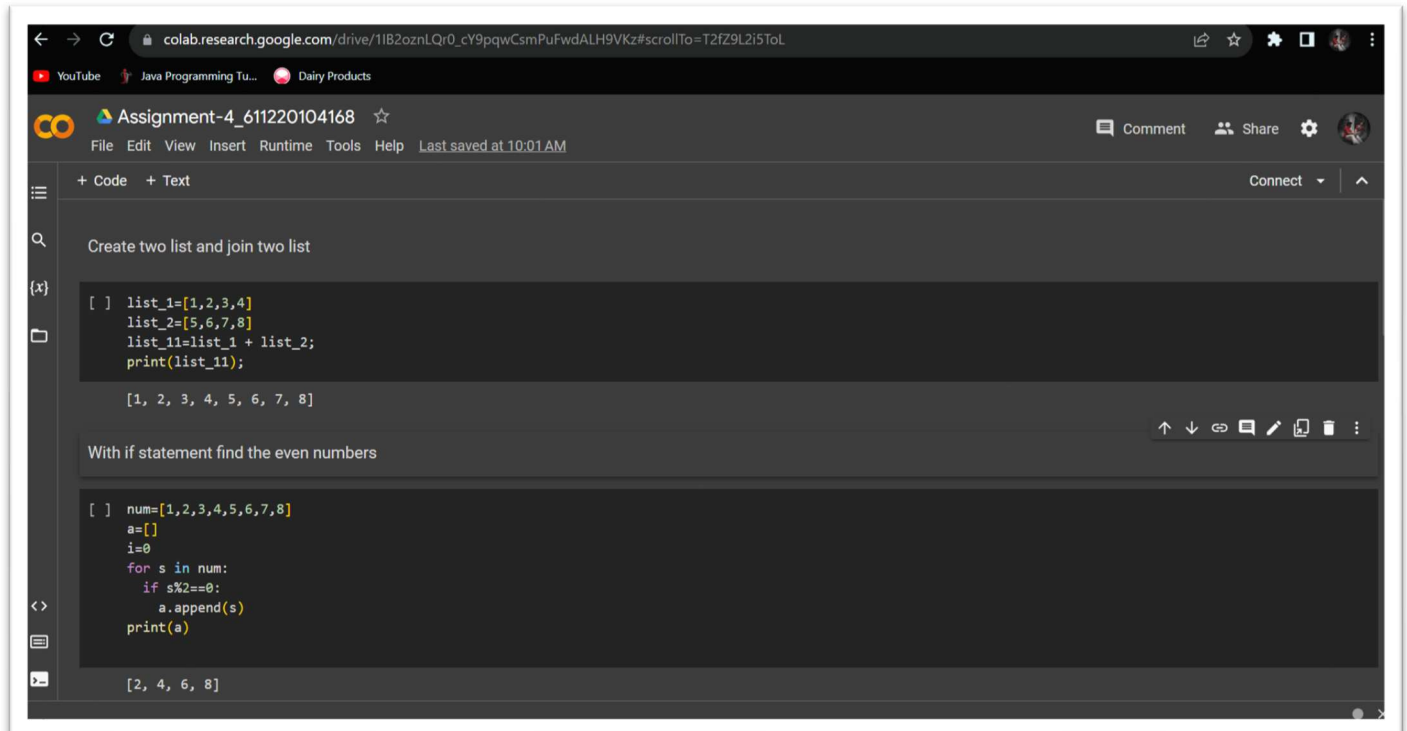


AI ML ASSIGNMENT 1

NAME: SHABARIVASAN GK

- CREATE AND JOIN TWO LIST.



The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The first code cell contains the following Python code:

```
[ ] list_1=[1,2,3,4]
    list_2=[5,6,7,8]
    list_11=list_1 + list_2;
    print(list_11);
```

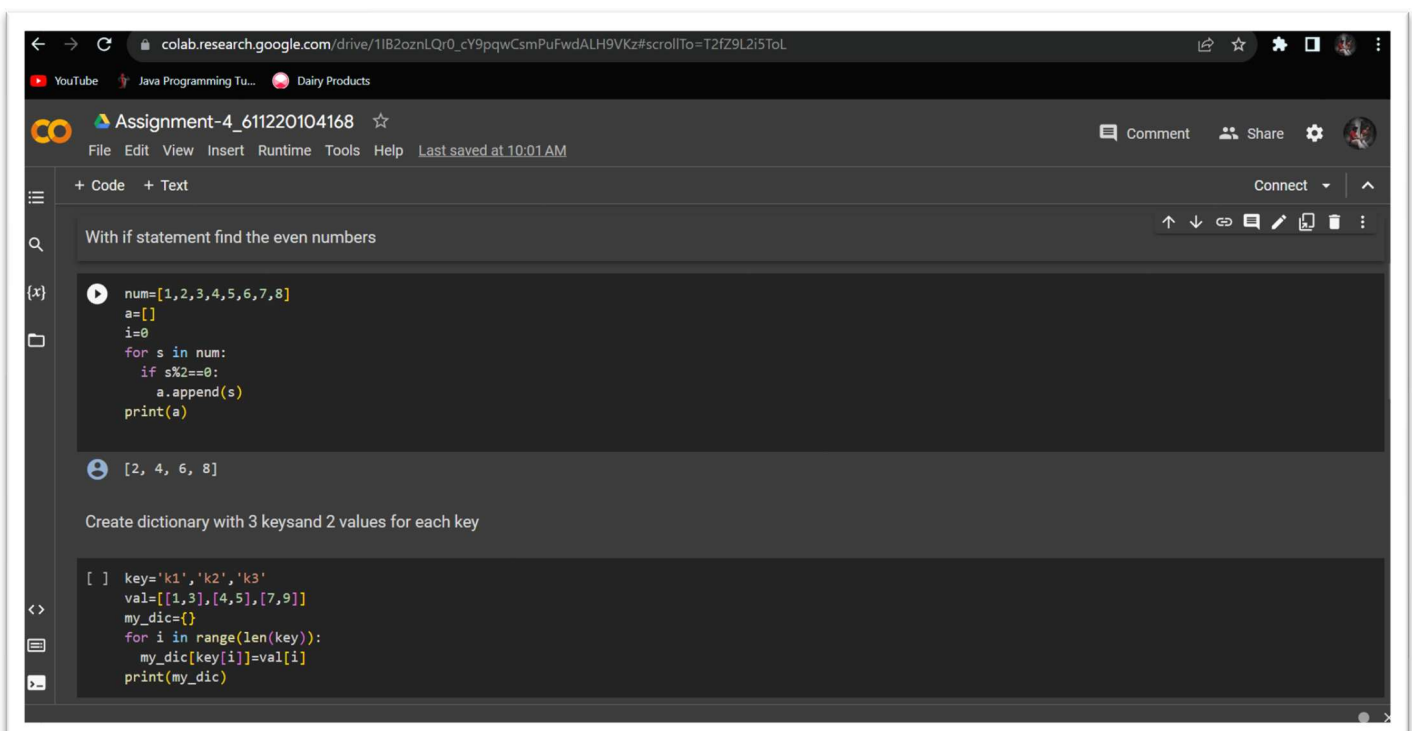
The output of this cell is the list: `[1, 2, 3, 4, 5, 6, 7, 8]`.

The second code cell is titled "With if statement find the even 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)
```

The output of this cell is the list: `[2, 4, 6, 8]`.

- WITH IF STATEMENT FIND THE EVEN NUMBERS.



The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The first code cell is titled "With if statement find the even 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)
```

The output of this cell is the list: `[2, 4, 6, 8]`.

The second code 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)
```

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

- CREATE DICTIONARY WITH 3KEYS & 2VALUES FOR EACH KEY.

The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The notebook has two code cells. The first cell contains code to create a dictionary with 3 keys and 2 values for each key. The second cell contains code to create a function with an if statement to find odd numbers.

```
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]}
```

```
[ ] 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)
```

- CREATE THE FUNCTION WITH IF STATEMENT TO FIND THE ODD NUMBERS.

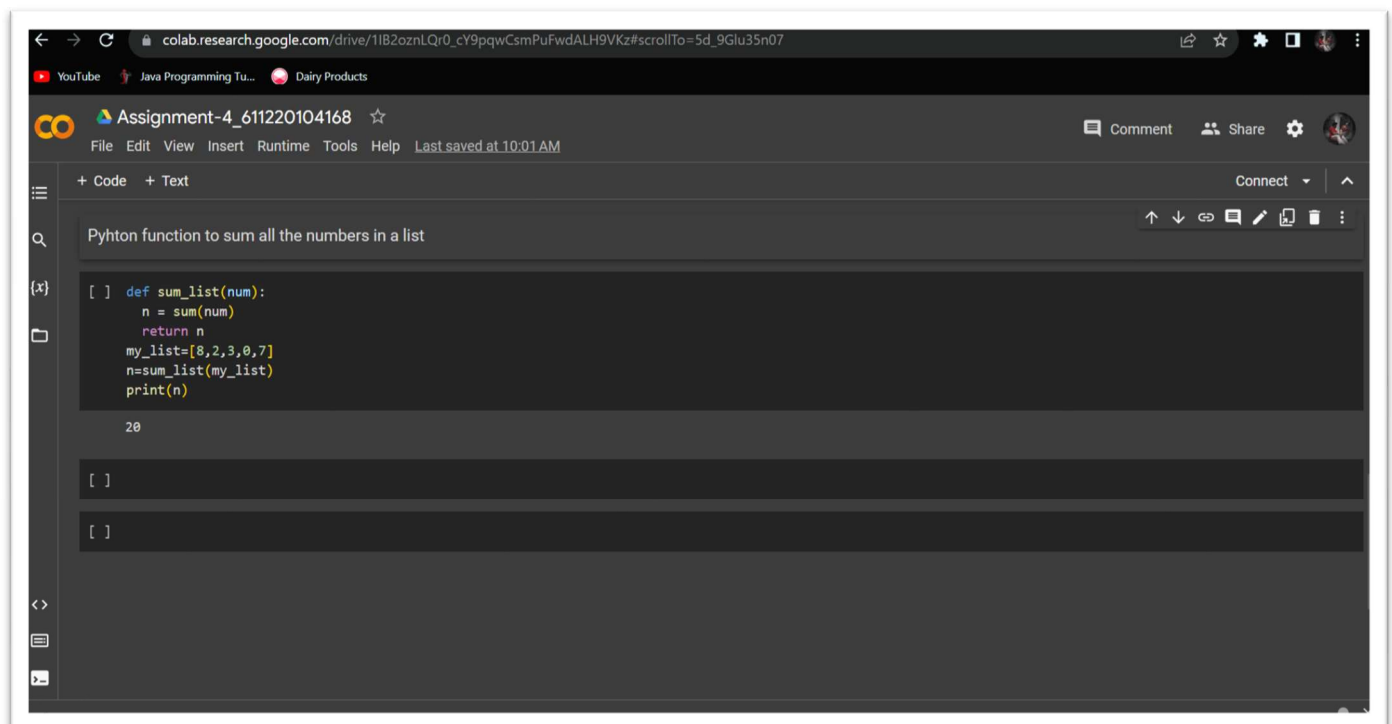
The screenshot shows a Google Colab notebook titled "Assignment-4_611220104168". The notebook has two code cells. The first cell contains code to find odd numbers in a list. The second cell contains code to create a function to sum a list.

```
[ ] 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]
```

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

- PYTHON FUNCTION TO SUM ALL THE NUMBERS IN LIST.



The screenshot shows a Google Colab notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/1iB2oznLQr0_cY9pqwCsmPuFwdALH9VKz#scrollTo=5d_9Glu35n07`. The notebook title is "Assignment-4_611220104168". The menu bar includes "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help", with a status message "Last saved at 10:01 AM". The toolbar shows "Comment", "Share", and a "Connect" button. 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 below the code cell, showing the value 20. Below the output, there are two empty code cells, each containing a single line of code: `[]`.