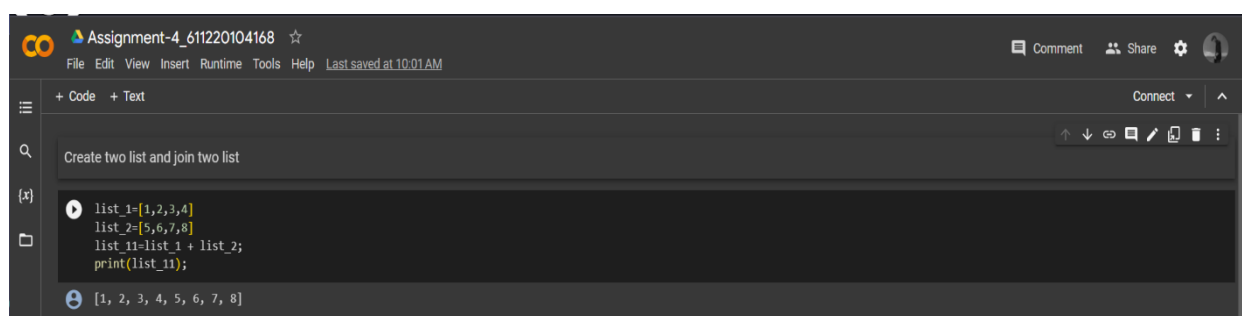


## ASSIGNMENT 4

**NAME:** SURYAPRAKASH S

**IBM ID:** 2k20cse190@kiot.ac.in

**Create two List and join those two list.**

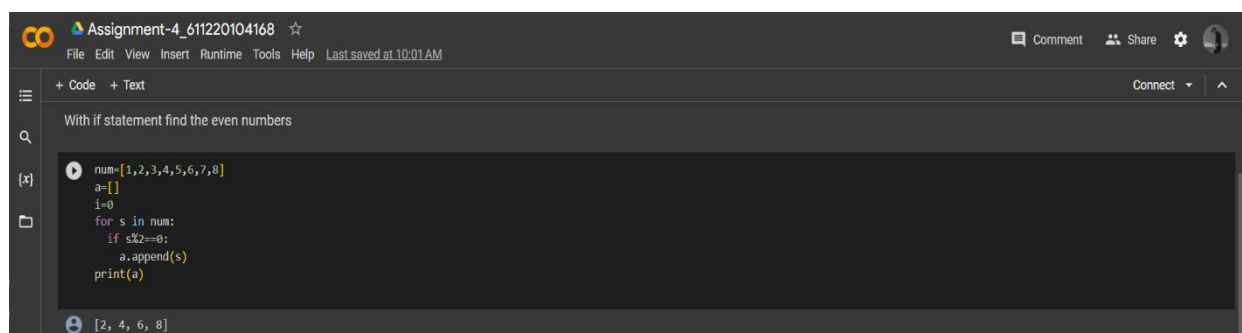


The screenshot shows a code editor window titled "Assignment-4\_611220104168". The code in the editor is as follows:

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

The output of the code is displayed at the bottom: [1, 2, 3, 4, 5, 6, 7, 8].

**With if statement find the even numbers**

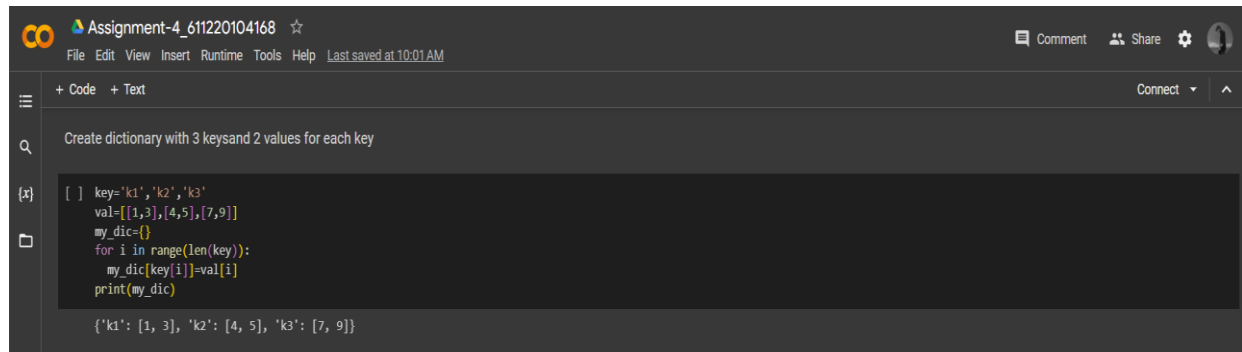


The screenshot shows a code editor window titled "Assignment-4\_611220104168". The code in the editor is as follows:

```
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 code is displayed at the bottom: [2, 4, 6, 8].

Create a directory with 3 keys and two values for each key

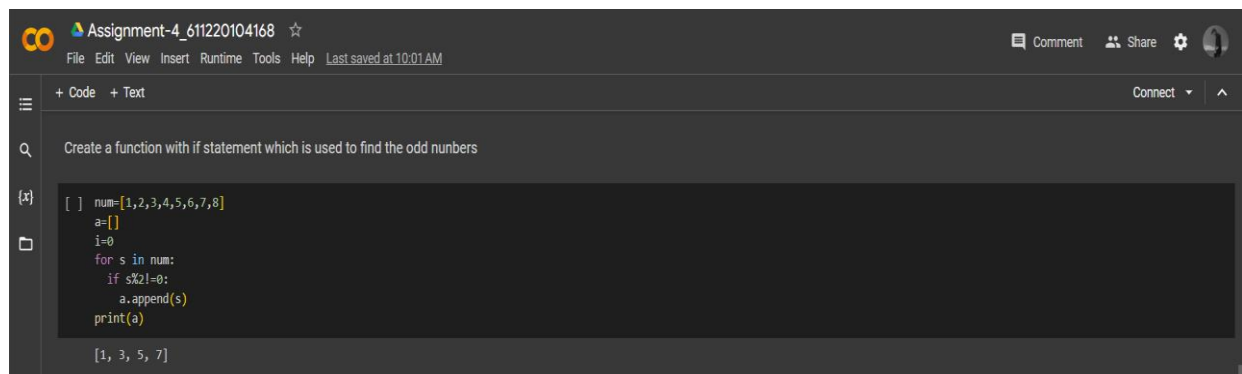


The screenshot shows a Jupyter Notebook titled "Assignment-4\_611220104168". The code cell contains a Python script that creates a dictionary with 3 keys and 2 values for each key. The output of the script is displayed below the code cell.

```
[ ] 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]}
```

Create a function with if statement which is used to find the odd numbers

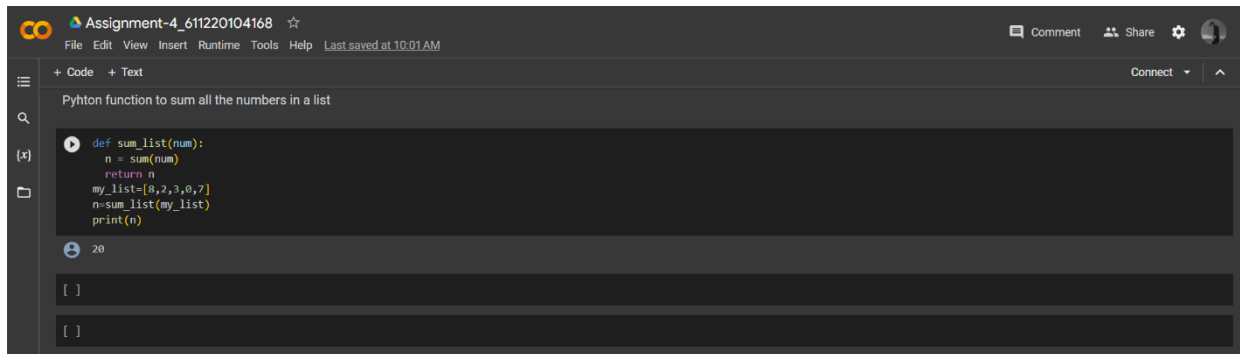


The screenshot shows a Jupyter Notebook titled "Assignment-4\_611220104168". The code cell contains a Python script that finds odd numbers in a list. The output of the script is displayed below the code cell.

```
[ ] 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]
```

## Python function to sum all the numbers in the List



The screenshot shows a Jupyter Notebook window titled "Assignment-4\_611220104168". The menu bar includes File, Edit, View, Insert, Runtime, Tools, and Help. The toolbar shows options for Comment, Share, and a user profile icon. The notebook has a tab labeled "+ Code + Text". The main area displays the title "Pyhton function to sum all the numbers in a list" (note the typo "Pyhton"). Below the title is a code cell containing 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)
```

Below the code cell, the output is displayed as "20". There are two empty input cells below the output, each containing "[ ]".

