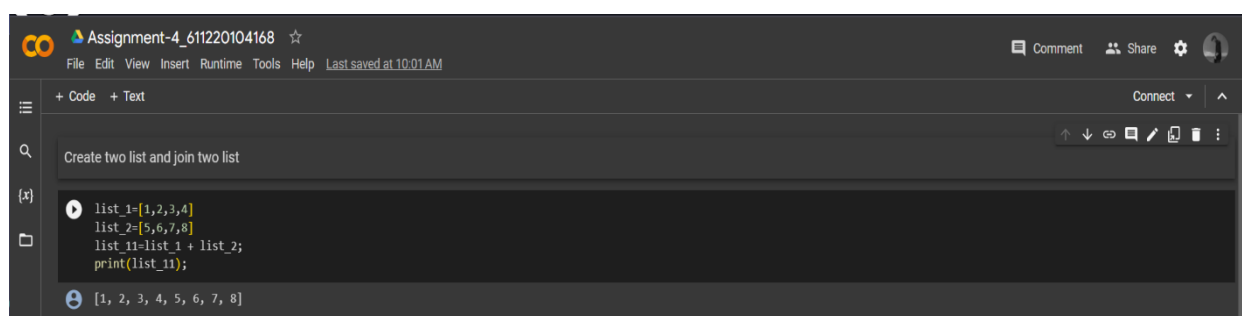


ASSIGNMENT 4

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Create two List and join those two list.

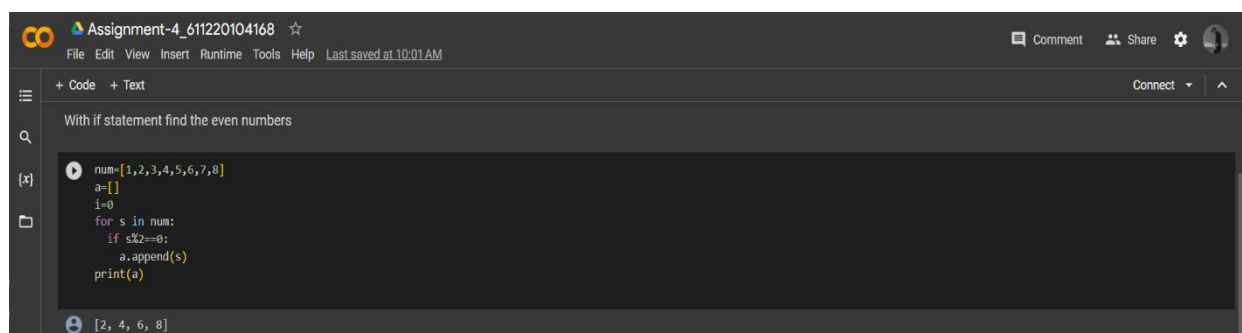


The screenshot shows a code editor window titled "Assignment-4_611220104168". The code in the editor is as follows:

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

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

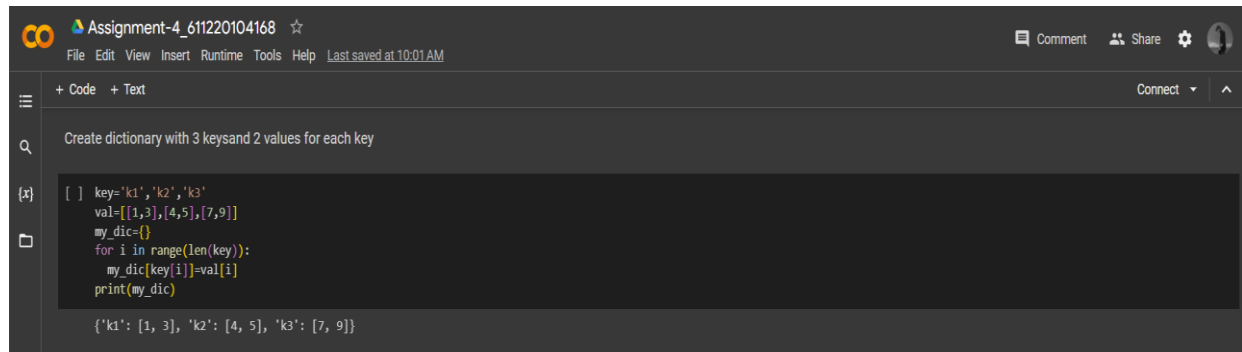


The screenshot shows a code editor window titled "Assignment-4_611220104168". The code in the editor is as follows:

```
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



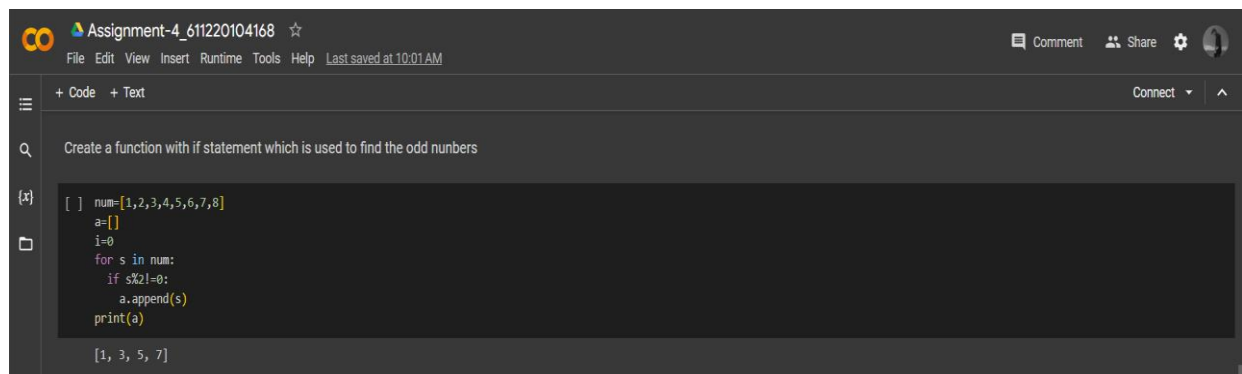
The screenshot shows a code editor window titled "Assignment-4_611220104168". The editor contains a Python script that creates a dictionary with 3 keys and 2 values for each key. The script is as follows:

```
[ ] 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 script is displayed below the code:

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

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



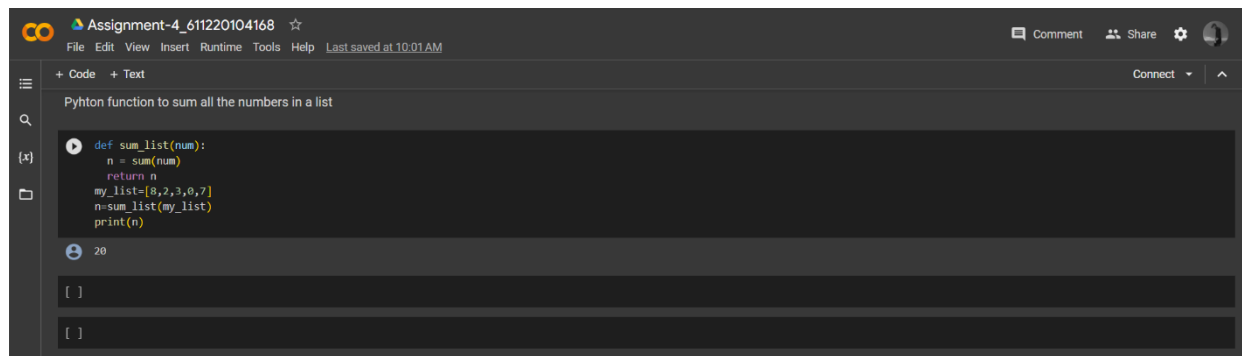
The screenshot shows a code editor window titled "Assignment-4_611220104168". The editor contains a Python script that finds odd numbers in a list. The script is as follows:

```
[ ] 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 script is displayed below the code:

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

Python function to sum all the numbers in the List



The screenshot shows a code editor window titled "Assignment-4_611220104168". The editor contains a Python function named `sum_list` that takes a list `num` as input, calculates its sum, and returns it. The function is then called with a list `[8, 2, 3, 0, 7]`, and the result is printed. The output of the code is `20`.

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

20

[]

[]

