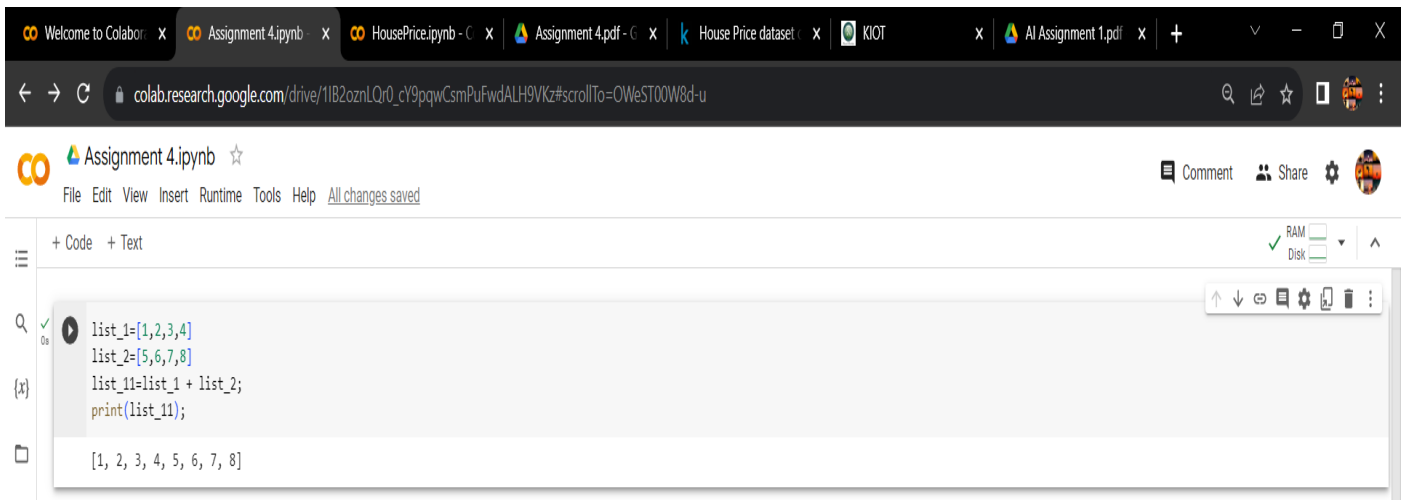


AI ML ASSIGNMENT 1

NAME: VARSHINI S

- Create two list and join those two list:



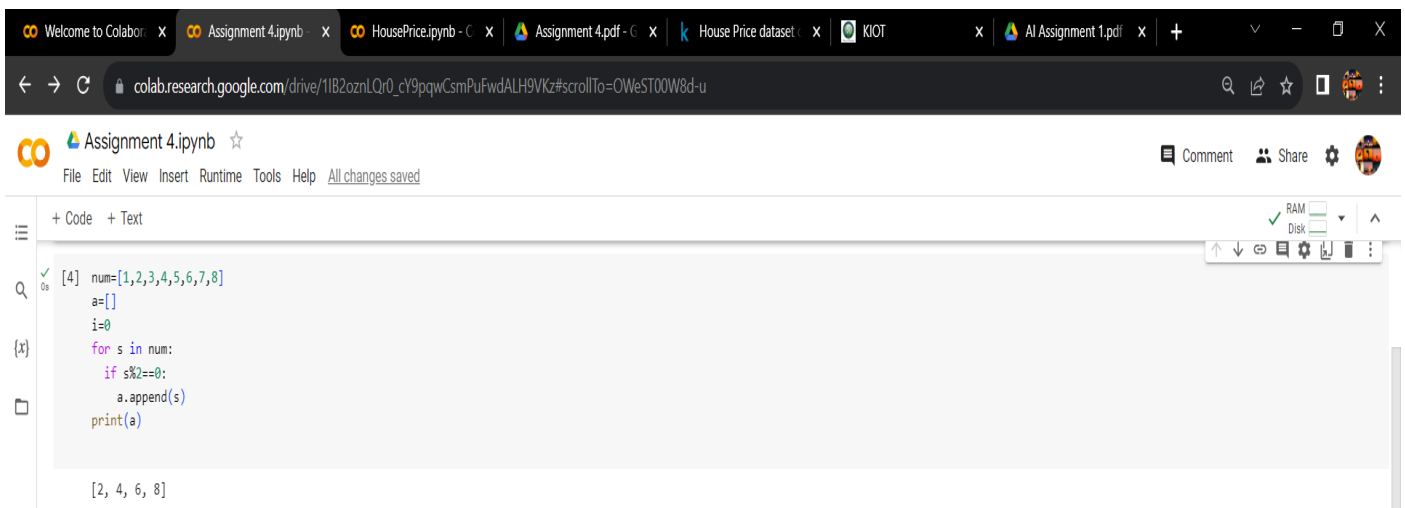
The screenshot shows a Google Colab notebook titled 'Assignment 4.ipynb'. The code cell contains the following Python code:

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

The output of the code is displayed below the code cell:

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

- With If statement find the even numbers:



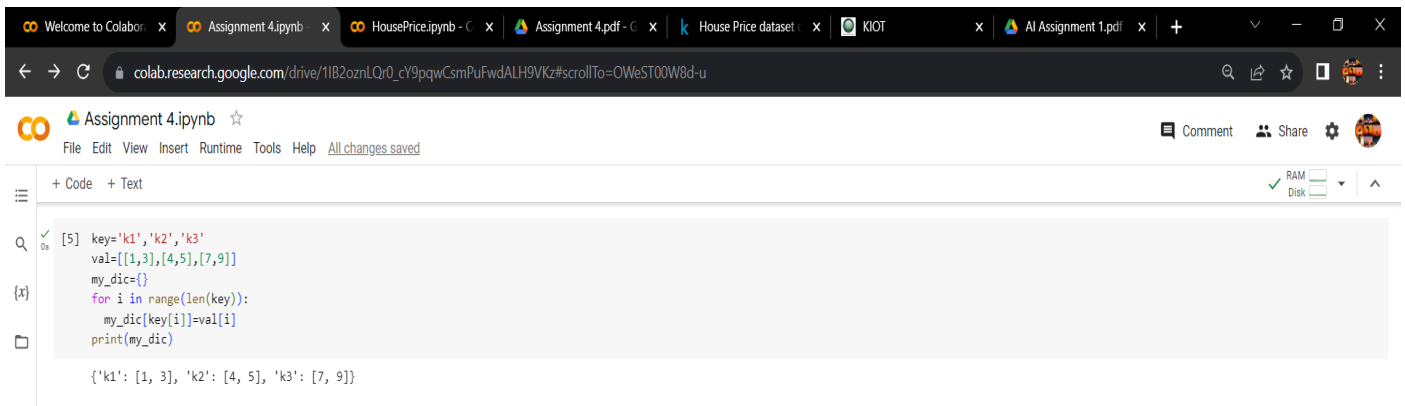
The screenshot shows a Google Colab notebook titled 'Assignment 4.ipynb'. The code cell contains the following Python code:

```
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 the code is displayed below the code cell:

```
[2, 4, 6, 8]
```

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



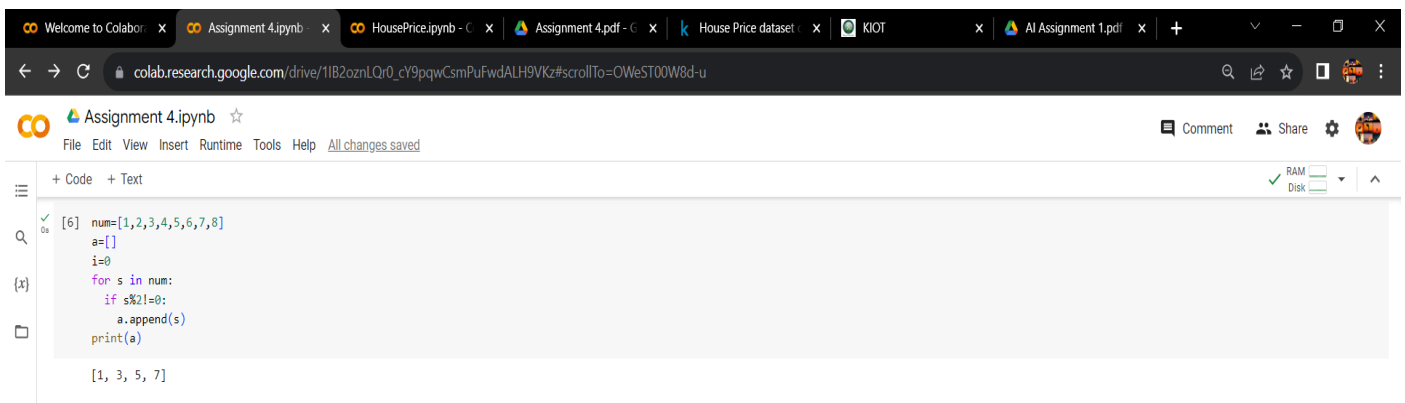
The screenshot shows a Google Colab notebook titled "Assignment 4.ipynb". The code cell contains the following Python code:

```
[5] 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 code is:

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

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



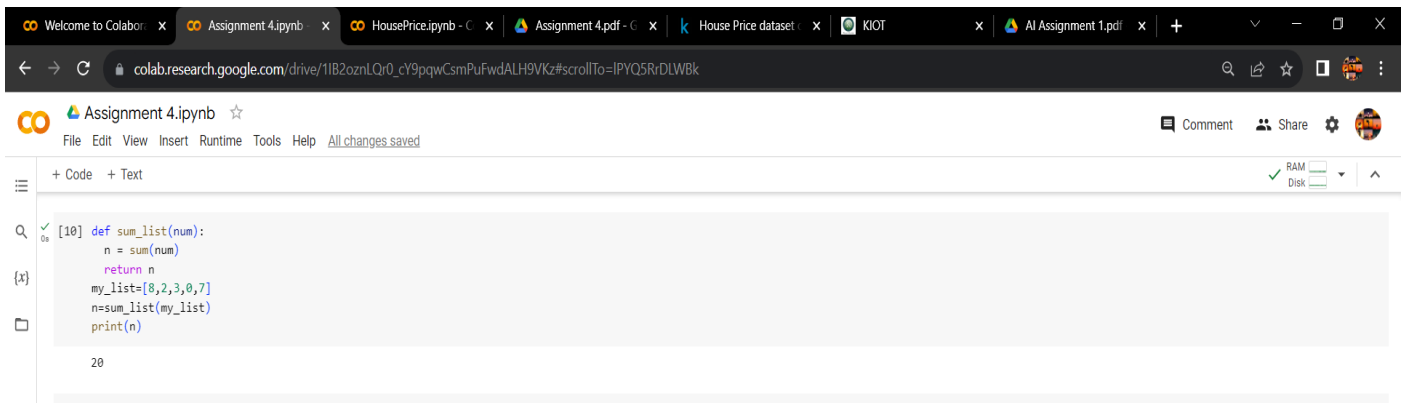
The screenshot shows a Google Colab notebook titled "Assignment 4.ipynb". The code cell contains the following Python code:

```
[6] 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:

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

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



The screenshot shows a Google Colab notebook interface. The browser tabs at the top include 'Welcome to Colaboratory', 'Assignment 4.ipynb', 'HousePrice.ipynb', 'Assignment 4.pdf', 'House Price dataset', 'KIOT', and 'AI Assignment 1.pdf'. The address bar shows the URL: colab.research.google.com/drive/1lB2oznLQr0_cY9pqwCsmPuFwdALH9VKz#scrollTo=IPYQ5RrDLWBk. The notebook title is 'Assignment 4.ipynb'. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. The toolbar shows '+ Code' and '+ Text' buttons, along with RAM and Disk usage indicators. The code cell contains the following Python code:

```
[10] 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 cell is '20'.