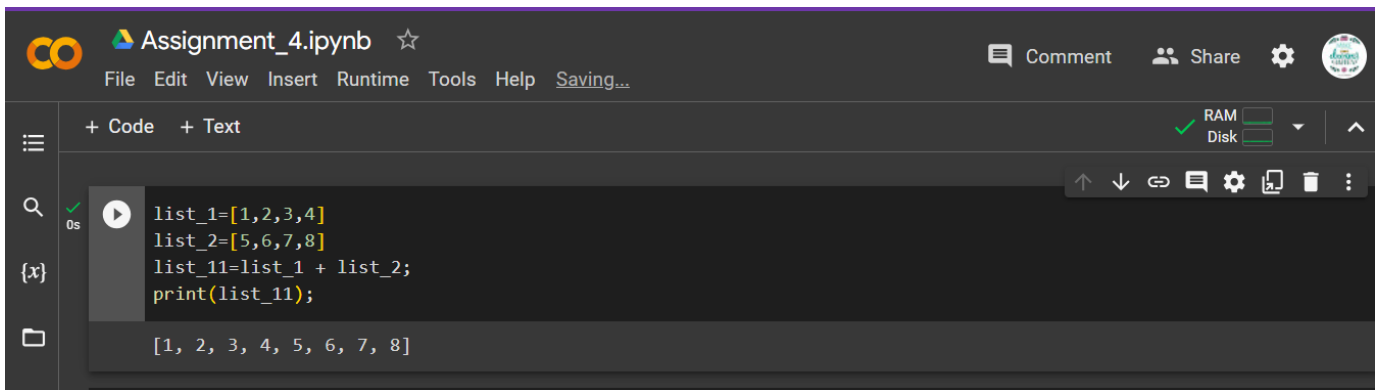


# AI ML ASSIGNMENT 1

NAME: VEERAGOWSHIKA S

- Create two list and join those two list:

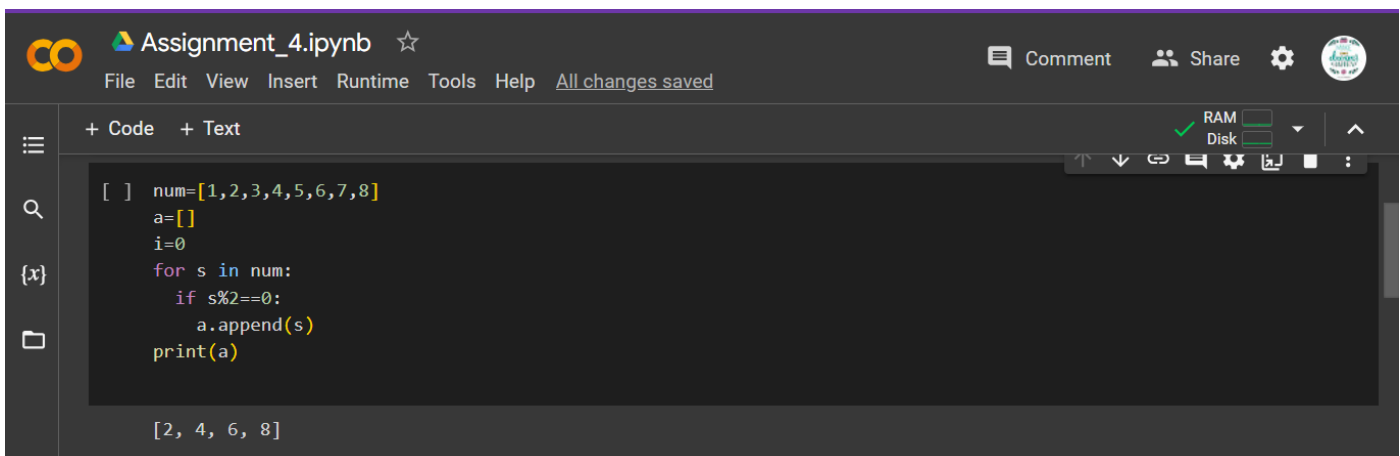


The screenshot shows a Jupyter Notebook interface with a dark theme. The title bar reads 'Assignment\_4.ipynb'. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', 'Help', and 'Saving...'. On the right, there are buttons for 'Comment', 'Share', and a settings icon. Below the menu bar, there are tabs for '+ Code' and '+ Text'. 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 cell is displayed below the code: `[1, 2, 3, 4, 5, 6, 7, 8]`. On the left side, there is a sidebar with icons for search, a variable viewer showing `{x}`, and a file explorer.

- With If statement find the even numbers:

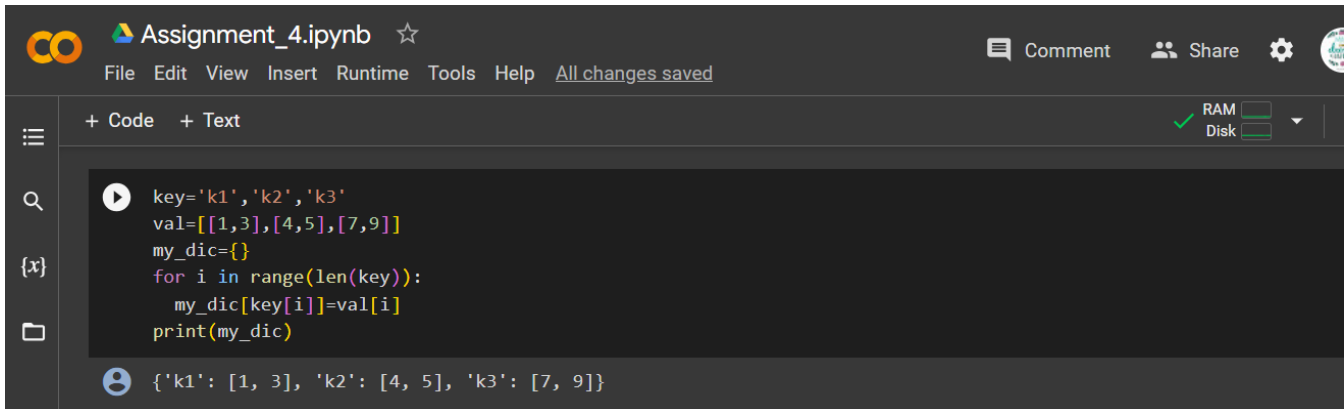


The screenshot shows a Jupyter Notebook interface with a dark theme. The title bar reads 'Assignment\_4.ipynb'. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', 'Help', and 'All changes saved'. On the right, there are buttons for 'Comment', 'Share', and a settings icon. Below the menu bar, there are tabs for '+ Code' and '+ Text'. 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 cell is displayed below the code: `[2, 4, 6, 8]`. On the left side, there is a sidebar with icons for search, a variable viewer showing `{x}`, and a file explorer.

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



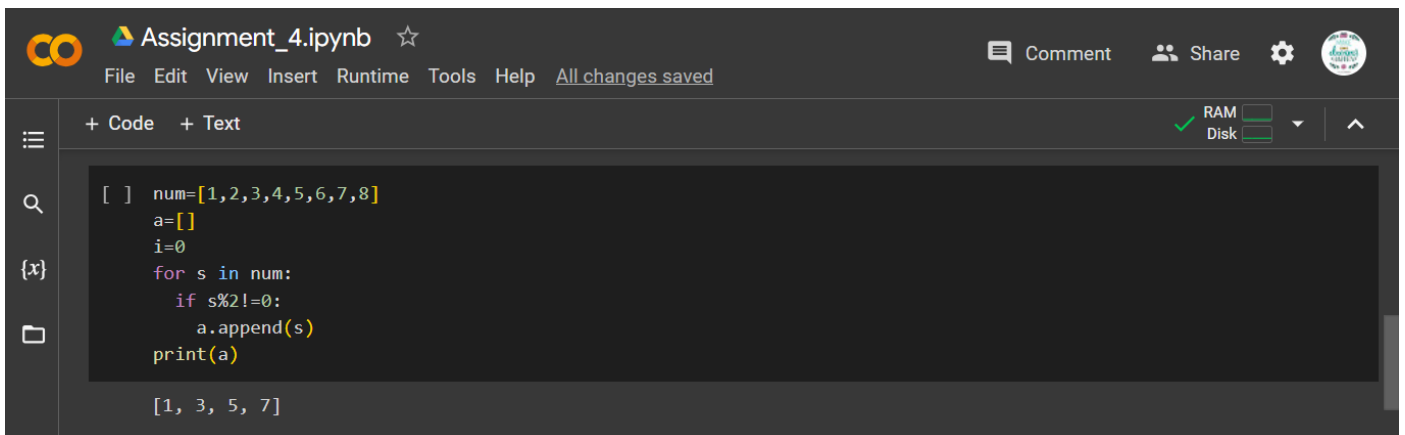
A screenshot of a Jupyter Notebook interface titled "Assignment\_4.ipynb". The top bar includes a "Comment" button, a "Share" button, and a settings icon. Below the top bar, there are tabs for "+ Code" and "+ Text". The main code area contains the following Python code:

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

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

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



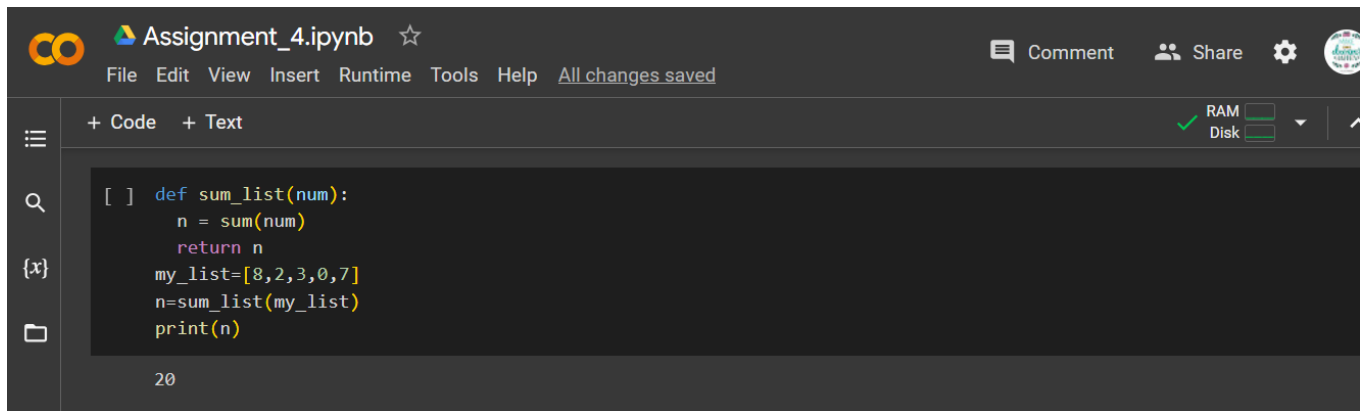
A screenshot of a Jupyter Notebook interface titled "Assignment\_4.ipynb". The top bar includes a "Comment" button, a "Share" button, and a settings icon. Below the top bar, there are tabs for "+ Code" and "+ Text". The main code area contains the following Python code:

```
[ ] 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:

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

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



The screenshot shows a Jupyter Notebook titled "Assignment\_4.ipynb". The interface includes a top menu bar with options like File, Edit, View, Insert, Runtime, Tools, and Help. Below the menu, there are tabs for "+ Code" and "+ Text". On the right side of the notebook, there are status indicators for RAM and Disk usage, both showing green bars. The main area of the notebook contains a Python code cell with the following 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 of the code is displayed as the number "20".