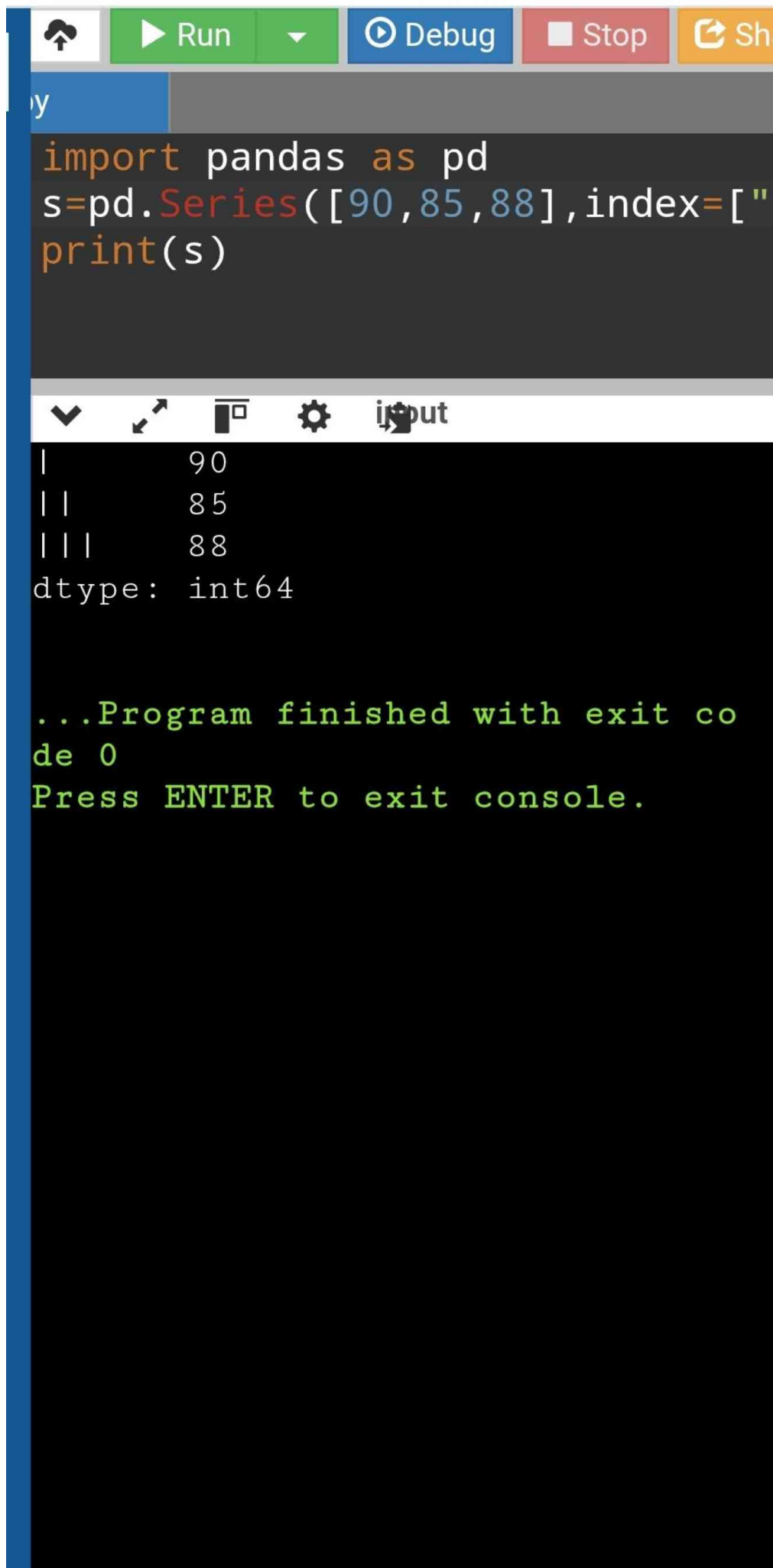


The image shows a code editor interface with a toolbar at the top containing icons for file operations and buttons for 'Run', 'Debug', and 'Stop'. The editor displays a Python script in a file named 'main.py'. The script imports pandas as 'pd', creates a dictionary 'data' with 'Name' and 'Marks' lists, and then creates a DataFrame 'df' from this dictionary. Below the code editor, there is a console window showing the output of the script as a table with two columns: 'Name' and 'Marks'. The table contains three rows of data. At the bottom of the console, a message indicates the program finished successfully with exit code 0, and a prompt asks the user to press ENTER to exit the console.

```
main.py
1 import pandas as pd
2 data={
3     "Name": ["prasad", "chan
4     "Marks": [80, 88, 90]
5 }
6 df=pd.DataFrame(data)
7 print(df)
```

	Name	Marks
0	prasad	80
1	chandu	88
2	vamsi	90

...Program finished with exit co
de 0
Press ENTER to exit console.



The image shows a screenshot of an online Python IDE interface. At the top, there is a navigation bar with buttons for 'Run' (green), 'Debug' (blue), 'Stop' (red), and 'Share' (orange). Below this is a code editor with a dark background. The code being executed is:

```
import pandas as pd
s=pd.Series([90,85,88],index=["
print(s)
```

Below the code editor, there is a toolbar with icons for a dropdown menu, a cursor, a window, a gear, and an input field. The output area, which has a black background, displays the following text:

```
|      90
||     85
|||    88
dtype: int64

...Program finished with exit co
de 0
Press ENTER to exit console.
```

The image shows a Jupyter Notebook interface. At the top, there is a toolbar with buttons for 'Run' (a green play button), 'Debug' (a blue play button with a magnifying glass), 'Stop' (a red square button), and 'Share' (an orange button with a share icon). Below the toolbar, the code editor contains the following Python code:

```
import pandas as pd  
s=pd.Series([90,85,88],index=["A","B","C"])  
print(s)
```

Below the code editor, there is a toolbar with icons for 'View' (a downward arrow), 'Fullscreen' (a square with arrows), 'Settings' (a gear icon), and 'Input' (a cursor icon). The output area below the toolbar shows the result of the code execution:

```
A    90  
B    85  
C    88  
dtype: int64
```

Below the output, there is a message indicating the program has finished:

```
...Program finished with exit code 0  
Press ENTER to exit console.
```



main.py

```
1 import pandas as pd
2 s=pd.Series([10,20,30,40,50])
3 print(s)
```



0 10

1 20

2 30






3 40

4 50






dtype: int64

...Program finished with exit code 0

Press ENTER to exit console.

 Run   Debug  Stop  Share

```
import pandas as pd
data={
    "Name": ["prasad", "chand",
    "Marks": [80, 88, 90, 80, 87, 89
}
df=pd.DataFrame(data)
print(df)
print(df.head())
print(df.tail())
```

     input

	Name	Marks
0	prasad	80
1	chand	88
2	vamsi	90
3	lucky	80
4	lakshmi	87
5	Jp	89

	Name	Marks
0	prasad	80
1	chand	88
2	vamsi	90
3	lucky	80
4	lakshmi	87

	Name	Marks
1	chand	88
2	vamsi	90
3	lucky	80
4	lakshmi	87
5	Jp	89

```
...Program finished with exit co
de 0
```

```
import pandas as pd
data={
    "Name":["prasad","chandu","vamsi","lucky","lakshmi","Jp"],
    "Marks":[80,88,90,80,87,89]
}
df=pd.DataFrame(data)
print(df[df["Marks"]>=80])
```

	Name	Marks
0	prasad	80
1	chandu	88
2	vamsi	90
3	lucky	80
4	lakshmi	87
5	Jp	89


...Program finished with exit code 0

Press ENTER to exit console.

```

import pandas as pd
data={
    "Name":["prasad","chandu",'
    "Marks":[80,88,90,80,87,89]
}
df=pd.DataFrame(data)
print(df.dtypes)
print(df.info())
print(df.loc[0])

```



```

Marks          int64
dtype: object
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 6 entries, 0 to 5
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype
---  -
0   Name    6 non-null       object
1   Marks   6 non-null       int64
dtypes: int64(1), object(1)
memory usage: 228.0+ bytes
None
Name          prasad
Marks         80
Name: 0, dtype: object

...Program finished with exit code 0
Press ENTER to exit console.

```

```
import pandas as pd
data={
    "Name":["prasad","chandu","vamsi","lucky","lakshmi","Jp"],
    "Marks":[80,88,90,80,87,89]
}
df=pd.DataFrame(data)
df["Result"]=df["Marks"]>=40
print(df)
```





▼ ↗ 📄 ⚙️ input

	Name	Marks	Result
0	prasad	80	True
1	chandu	88	True
2	vamsi	90	True
3	lucky	80	True
4	lakshmi	87	True
5	Jp	89	True






```
...Program finished with exit co
de 0
Press ENTER to exit console.
```




input

```
y
import pandas as pd
data={
    "Name":["prasad","chandu","
    "Marks":[80,88,90,80,87,35]
}
df=pd.DataFrame(data)
df.sort_values(by="Marks", ascen
print(df)
```

	Name	Marks
0	prasad	80
1	chandu	88
2	vamsi	90
3	lucky	80
4	lakshmi	87
5	Jp	35

```
...Program finished with exit co
de 0
Press ENTER to exit console.
```



search.google.com



4



Untitled4.ipynb



+ <>



+



RAM



Disk



[9]

✓ 0s



```
import pandas as pd
df=pd.read_csv('stu
print(df)
```

Delete cell
Ctrl+M D



Sno

1

Abbisett

2

Akum

3

Alpuri

4

ALUR

5

Amarach

6

Amr

7

Anumalaguthi Venkata

8

Anumula

9

10

Arwet

What can I help you build?



Gemini 2.5 Flash





Untitled4.ipynb



RAM



Disk



[9]

✓ 0s



```
import pandas as pd
df=pd.read_csv("/content/stu
print(df)
```



Admission No	Branch	Marks
--------------	--------	-------

19709	BSC	78
-------	-----	----

19760	BSC	85
-------	-----	----

19842	BSC	90
-------	-----	----

20215	BCom	66
-------	------	----

20170	BCom	88
-------	------	----

19843	BSC	78
-------	-----	----

19887	BCA	85
-------	-----	----

20522	BSC	90
-------	-----	----

19888	BCA	66
-------	-----	----

19860	BSC	88
-------	-----	----

Code cell output actions

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM



Disk



19888

BCA

66

19860

BSC

88

[13]



0s

```
df["Marks"].mean()
```



```
np.float64(81.4)
```

Code cell output actions

[14]



0s

```
df["Marks"].max()
```



90

[15]

```
df["Marks"].min()
```



66



[16]



0s



```
df["Marks"].sum()
```



...

```
np.int64(814)
```

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM



Disk



✓ Os



np.int64(814)



[20]

✓ Os



df["Branch"]

Move cell up
Ctrl+M K

Marks

Branch

BCA 75.500000

BCom 77.000000

BSC 84.833333

dtype: float64

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM

Disk

✓ Us



np.int64(814)



[21]

✓ Os



pby("Branch")["Marks"].max()



Marks

Branch

BCA

85

BCom

88

BSC

90

dtype: int64

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM

Disk

✓ Us



np.int64(814)



[22]

✓ Os



pby("Branch")["Marks"].min()



Marks

Branch

BCA

66

BCom

66

BSC

78

dtype: int64

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM



Disk



✓ 0s



```
np.int64(814)
```



[23]

✓ 0s



```
pby("Branch")["Marks"].sum()
```



Marks

Branch

BCA

151

BCom

154

BSC

509

dtype: int64

What can I help you build?



Gemini 2.5 Flash





search.google.com



4



Untitled4.ipynb



RAM



Disk



BCom

154

BSC

509

dtype: int64



[26]

✓ 0s



```
mbda x: "A" if x >= 90 else "B" )
```



...	sion No	Branch	Marks	Grade
	19709	BSC	78	B
	19760	BSC	85	B
	19842	BSC	90	A
	20215	BCom	66	B
	20170	BCom	88	B
	19843	BSC	78	B
	19887	BCA	85	B
	20522	BSC	90	A
	19888	BCA	66	B
	19860	BSC	88	B

What can I help you build?



Gemini 2.5 Flash





Untitled4.ipynb



RAM



Disk



Average: 81.4



[39]

✓ 0s



```
print("Average:",df["Marks"])
print("Topper:",df.loc[df["M
print("passed students:")
print(df[df["Marks"]>85])
```



Average: 81.4

Topper: Sno

Full Name Alpuri Sri

Admission No

Branch

Marks

Grade

Name: 2, dtype: object

passed students:

	Sno	Full Name
2	3	Alpuri Sri lakshmi
4	5	Amarachinta Akhila
7	8	Anumula Chaithanya
9	10	Arwety Sailokesh