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Practical - 10

Aim: Study of Pandas dataframe and implement dataframe related operations.

Programs:

Converting data into dataFrame

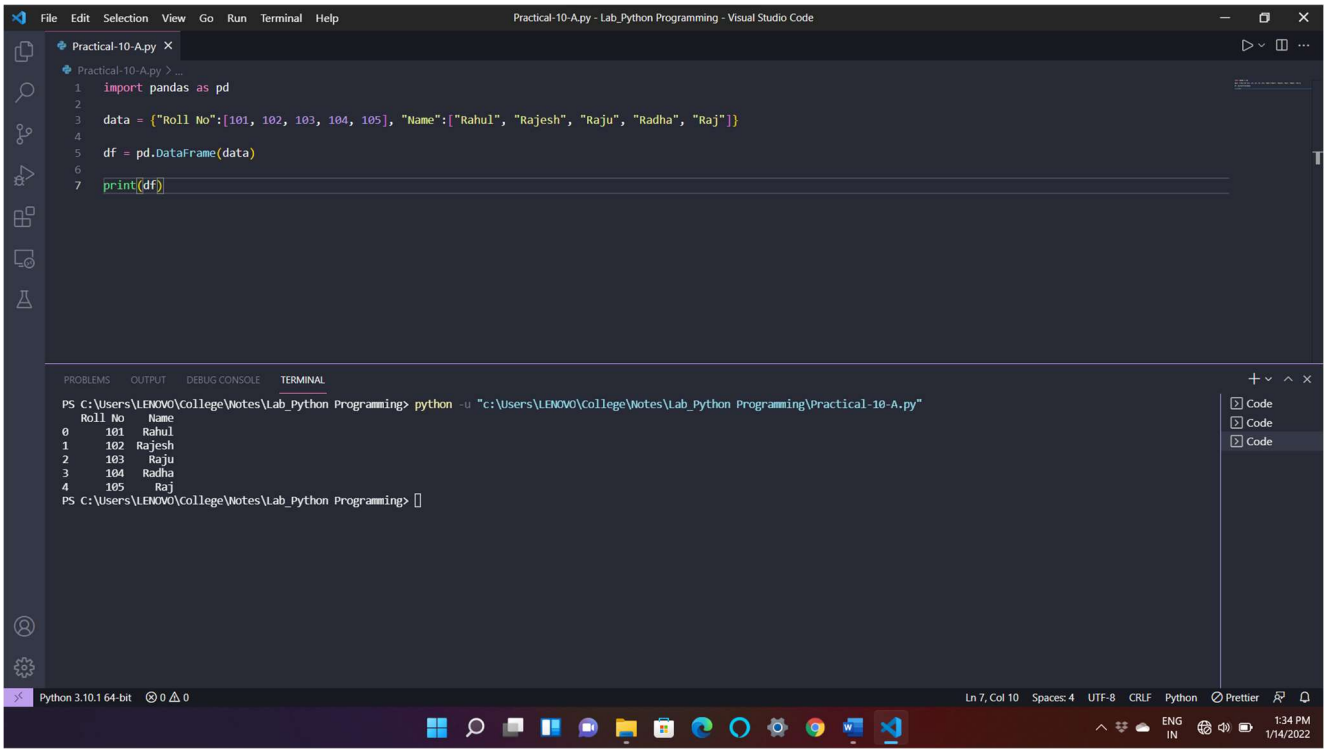
Program:

```
import pandas as pd

data = {"Roll No":[101, 102, 103, 104, 105], "Name":["Rahul", "Rajesh", "Raju",
"Radha", "Raj"]}

df = pd.DataFrame(data)

print(df)
```

Output:

```
   Roll No    Name
0      101   Rahul
1      102  Rajesh
2      103    Raju
3      104   Radha
4      105     Raj
```

Screenshot:



Inserting Row in dataFrame:

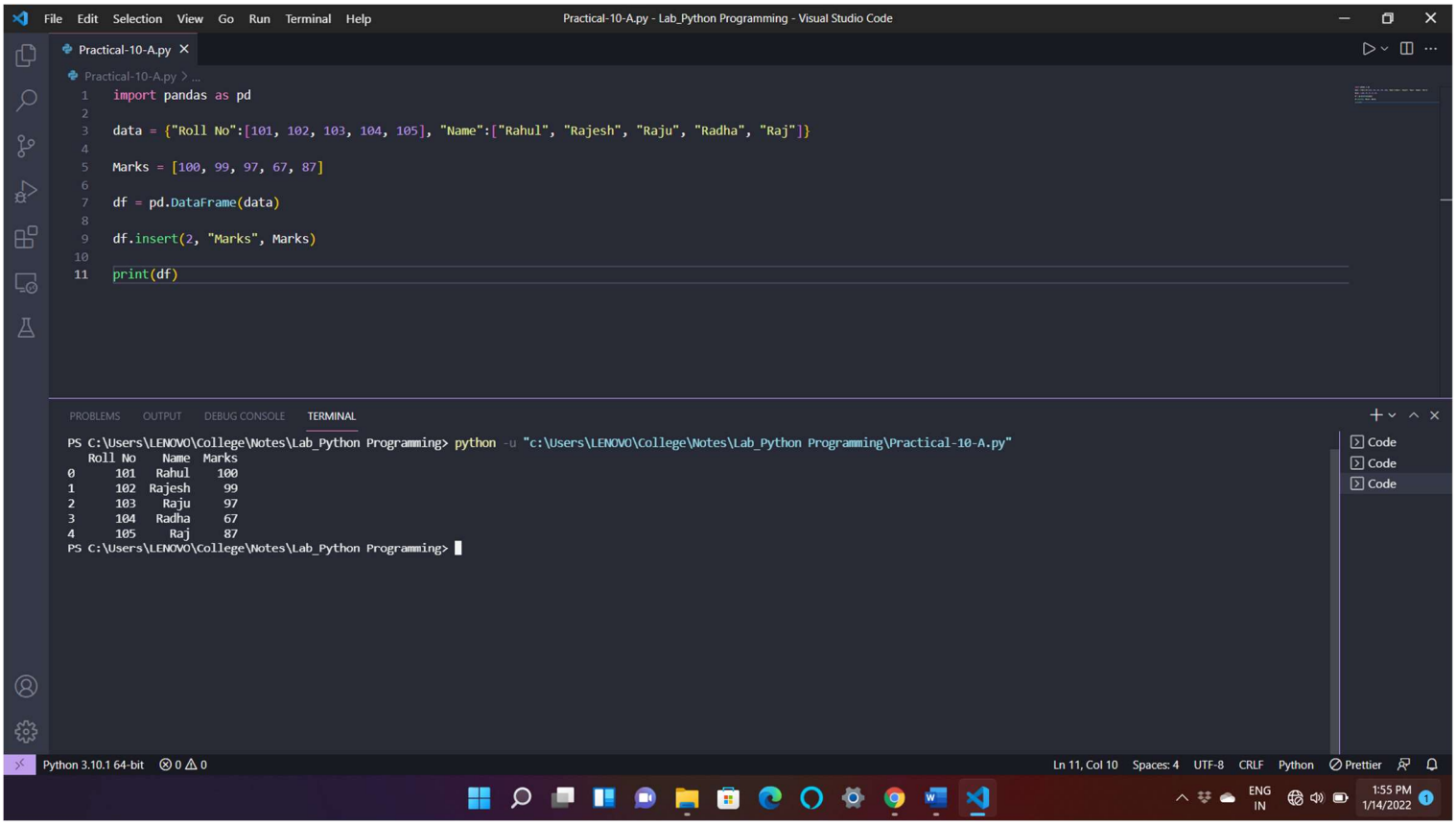
Program:

```
import pandas as pd

data = {"Roll No":[101, 102, 103, 104, 105], "Name":["Rahul", "Rajesh", "Raju",
"Radha", "Raj"]}

Marks = [100, 99, 97, 67, 87]

df = pd.DataFrame(data)

df.insert(2, "Marks", Marks)

print(df)
```

Output:

	Roll No	Name	Marks
0	101	Rahul	100
1	102	Rajesh	99
2	103	Raju	97
3	104	Radha	67
4	105	Raj	87

Screenshot:



Deleting Column from DataFrame:

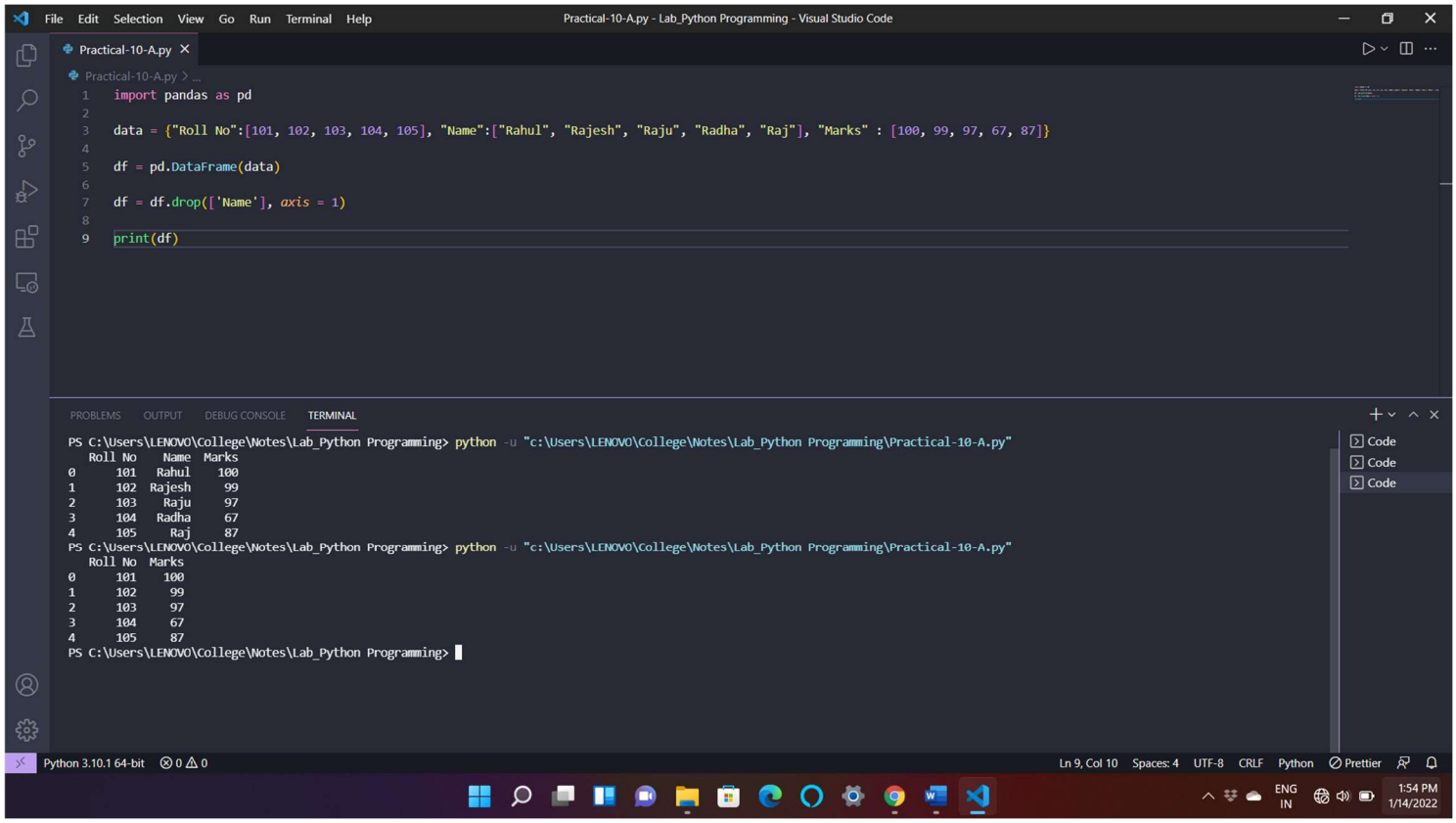
Program:

```
import pandas as pd

data = {"Roll No":[101, 102, 103, 104, 105], "Name":["Rahul", "Rajesh", "Raju",
"Radha", "Raj"], "Marks" : [100, 99, 97, 67, 87]}

df = pd.DataFrame(data)

df = df.drop(['Name'], axis = 1)

print(df)
```

Output:

	Roll No	Marks
0	101	100
1	102	99
2	103	97
3	104	67
4	105	87

Screenshot:



Result: By studying pandas library in Python, I have successfully completed Practical-10.