Aim: Create Pandas DataFrame from various inputs.

Program:
Program:

```python
#Different Methods of Creation of DataFrame

# Method 1: using a single tuple
a = pd.DataFrame(('AI', 'ML', 'DL'))
print(a)

# Method 2: using a single list
b = pd.DataFrame(['AI', 'Data', 'Science'], columns = ['Subject'])
print(b)

# Method 3: using a list of list
c = pd.DataFrame([['Alex',10],['Bob',12],['Clarke',13]], columns = ['Name','Age'])
print(c)

# Method 4: using dictionary of lists
d = pd.DataFrame({ 'Name': ['John', 'Mark', 'Joseph'],
                   'Age': [29, 24, 28, ],
                   'City': ['Sydney', 'Paris', 'New York']})
print(d)

# Method 5: using Numpy arrays
e = pd.DataFrame({
                'name':['Jane','John','Ashley','Mike'],
                'category':['A','D','C','D'],
                'val1':np.random.random(4).round(2),
                'val2':np.random.randint(1,10, size=4),
                'val3':np.array(['Aditya','Emily',40,50])})
print(e)

#Method 6: using Series
g = pd.DataFrame(pd.Series(['Jit', 'Purn', 'Arp', 'Jot']))
print(g)


#Method 7: using .csv file
g = pd.DataFrame('/content/drive/MyDrive/nba.csv')

print(g)
```

Output:
```
    0
0  AI
1  ML
2  DL

   Subject
0       AI
1     Data
2  Science
```

```
      Name  Age
0     Alex   10
1      Bob   12
2   Clarke   13
```

```
      Name  Age       City
0     John   29     Sydney
1     Mark   24      Paris
2   Joseph   28   New York
```

```
     name category  val1  val2     val3
0    Jane        A  0.47     1   Aditya
1    John        D  0.37     2    Emily
2  Ashley        C  0.83     6       40
3    Mike        D  0.30     7       50
```

```
       0
0    Jit
1   Purn
2    Arp
3    Jot
```

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
0	Avery Bradley	Boston Celtics	0.0	PG	25.0	6-2	180.0	Texas	7730337
..	...	...	...	...	...	...	...	...	...
457	Jae Crowder	Boston Celtics	99.0	NaN	25.0	6-6	235.0	Marquette	6796117