

Create a Pandas DataFrame from Lists



Python is a great language for doing data analysis, primarily because of the fantastic ecosystem of data-centric python packages. Pandas is one of those packages and makes importing and analyzing data much easier.

Creating Pandas Dataframe can be achieved in multiple ways. Let's see how can we create a Pandas DataFrame from Lists.

Creating a Pandas DataFrame From Lists | GeeksforGeeks

Code #1: Basic example

Output:

	0	
0	Geeks	
1	For	
2	Geeks	
3	is	
4	portal	
5	for	
6	Geeks	

Code #2: Dataframe using list with index and column names

Output:

Names a Geeks b For c Geeks d is e portal f for g Geeks

Code #3: Using zip() for zipping two lists

Output:

	Name	val
0	Geeks	11
1	For	22
2	Geeks	33
3	is	44
4	portal	55
5	for	66
6	Geeks	77

Code #4: Creating DataFrame using multi-dimensional list

Output:

	Name	Age
0	tom	25
1	krish	30
2	nick	26
3	juli	22

Output:

	FName	LName	Age
0	tom	reacher	25.0
1	krish	pete	30.0
2	nick	wilson	26.0
3	juli	williams	22.0

Code #6: Using lists in dictionary to create dataframe

```
# importing pandas as pd
import pandas as pd

# list of name, degree, score
nme = ["aparna", "pankaj", "sudhir", "Geeku"]
deg = ["MBA", "BCA", "M.Tech", "MBA"]
scr = [90, 40, 80, 98]

# dictionary of lists
dict = {'name': nme, 'degree': deg, 'score': scr}
df = pd.DataFrame(dict)
```

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	name	degree	score
0	aparna	MBA	90
1	pankaj	BCA	40
2	sudhir	M.Tech	80
3	Geeku	MBA	98

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