

```
import pandas as pd
raw_data = pd.read_csv('/content/drive/MyDrive/survey_results_public.csv')
raw_data.info()

target_data = raw_data[['Age', 'Country', 'LanguageHaveWorkedWith', 'LearnCode']]
target_data.head()

size_by_LearnCode = target_data.groupby('LearnCode').size()
size_by_LearnCode

methods = target_data['LearnCode']
methods

methods = methods.str.split(';')
methods

exploded_methods = methods.explode()
exploded_methods

size_by_methods = exploded_methods.groupby(exploded_methods).size()
size_by_methods

size_by_methods.nlargest(10).plot.pie(figsize=(5,5), autopct='%1.0f%%')
```

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 89184 entries, 0 to 89183

Data columns (total 84 columns):

#	Column	Non-Null Count	Dtype
0	ResponseId	89184 non-null	int64
1	Q120	89184 non-null	object
2	MainBranch	89184 non-null	object
3	Age	89184 non-null	object
4	Employment	87898 non-null	object
5	RemoteWork	73810 non-null	object
6	CodingActivities	73764 non-null	object
7	EdLevel	87973 non-null	object
8	LearnCode	87663 non-null	object
9	LearnCodeOnline	70084 non-null	object
10	LearnCodeCoursesCert	37076 non-null	object
11	YearsCode	87435 non-null	object
12	YearsCodePro	66136 non-null	object
13	DevType	76872 non-null	object
14	OrgSize	65043 non-null	object
15	PurchaseInfluence	64964 non-null	object
16	TechList	60851 non-null	object
17	BuyNewTool	83009 non-null	object
18	Country	87973 non-null	object
19	Currency	65334 non-null	object
20	CompTotal	48225 non-null	float64
21	LanguageHaveWorkedWith	87140 non-null	object
22	LanguageWantToWorkWith	80709 non-null	object
23	DatabaseHaveWorkedWith	73435 non-null	object
24	DatabaseWantToWorkWith	60911 non-null	object
25	PlatformHaveWorkedWith	63628 non-null	object
26	PlatformWantToWorkWith	51308 non-null	object
27	WebframeHaveWorkedWith	66938 non-null	object
28	WebframeWantToWorkWith	56741 non-null	object

