```
1 import pandas as pd
```

```
1 d = {'sales': [100000,222000,1000000,522000,111111,222222,1111111,20000,75000,9
2       'city': ['Tampa','Tampa','Orlando','Jacksonville','Miami','Jacksonville',
3       'size': ['Small', 'Medium','Large','Large','Small','Medium','Large','Smal
```

```
1 df = pd.DataFrame(data = d)
```

```
1 df.head(10)
```

	sales	city	size
0	100000	Tampa	Small
1	222000	Tampa	Medium
2	1000000	Orlando	Large
3	522000	Jacksonville	Large
4	111111	Miami	Small
5	222222	Jacksonville	Medium
6	1111111	Miami	Large
7	20000	Miami	Small
8	75000	Orlando	Medium
9	90000	Orlando	Medium

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```
1 df['size'].unique()
```

```
array(['Small', 'Medium', 'Large'], dtype=object)
```

```
1 sizes = ['Small', 'Medium', 'Large']
```

```
1 from sklearn.preprocessing import OrdinalEncoder
```

```
1 enc = OrdinalEncoder(categories = [sizes])
```

```
1 enc.fit_transform(df[['size']])
```

```
array([[0.],
       [1.],
       [2.],
       [2.],
       [0.],
       [1.],
       [2.],
       [0.],
       [1.],
       [1.],
       [1.],
       [0.]])
```

```
1 df['size'] = enc.fit_transform(df[['size']])
```

```
1 df
```

	sales	city	size
0	100000	Tampa	0.0
1	222000	Tampa	1.0
2	1000000	Orlando	2.0
3	522000	Jacksonville	2.0
4	111111	Miami	0.0
5	222222	Jacksonville	1.0
6	1111111	Miami	2.0
7	20000	Miami	0.0
8	75000	Orlando	1.0
9	90000	Orlando	1.0
10	1000000	Orlando	1.0
11	10000	Orlando	0.0

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```
1
```