In [6]:

```
import pandas as pd
import matplotlib.pyplot as plt
```

In [7]:

```
# reading dataset
ds = pd.read_csv('culturefood.csv')
```

CityWise Analysis:

In [8]:

```
ds['City'] = ds['City'].str.strip() #removing unwanted character from data
```

In [9]:

```
#Making labels consistent throughout
ds.loc[ds['City'] == 'Kharghar, Navi Mumbai' , 'City'] = 'Navi Mumbai'
ds.loc[ds['City'] == 'Mumbai, MH' , 'City'] = 'Mumbai'
ds.loc[ds['City'].str.lower() == 'pune' , 'City'] = 'Pune'
ds.loc[ds['City'].str.lower() == 'new delhi', 'City'] = 'New Delhi'
ds.loc[ds['City'].str.lower() == 'navi mumbai', 'City'] = 'Navi Mumbai'
ds.loc[ds['City'].str.lower() == 'bengaluru', 'City'] = 'Bengaluru'
ds.loc[ds['City'].str.contains('Kalyan'), 'City'] = 'Thane'
ds.loc[ds['City'].str.contains('Ahmedabad'), 'City'] = 'Ahmedabad'
```

Number of Entries from each cities:

In [25]:

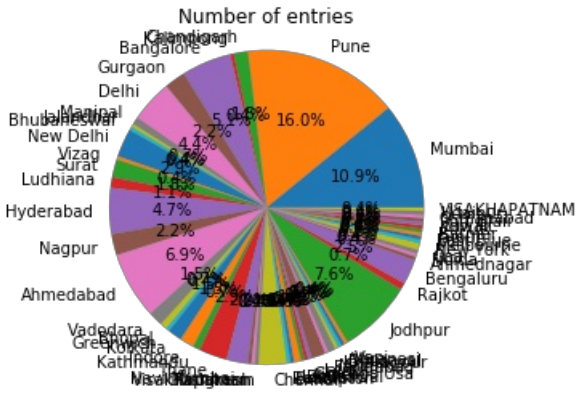
```
print("City names and Number of entries from each: ")
city_frame = pd.DataFrame(data = {'Names': ds.City.unique() ,
                                  'NumEntries': [ds.City.value_counts()[str(data)] for data in ds.C
ty.unique()] })
city_frame['Percentage:'] = [data/city_frame['NumEntries'].sum()*100 for data in city_frame['NumEnt
ries']]
print(city_frame.sort_values('NumEntries', ascending=False).to_string(index=False))
```

```
City names and Number of entries from each:
         Names  NumEntries  Percentage:
          Pune          44    16.000000
        Mumbai          30    10.909091
       Jodhpur          21     7.636364
     Ahmedabad          19     6.909091
     Bangalore          14     5.090909
     Hyderabad          13     4.727273
         Delhi          12     4.363636
       Chennai           8     2.909091
         Thane           8     2.909091
     New Delhi           8     2.909091
     Bengaluru           7     2.545455
        Nagpur           6     2.181818
   Navi Mumbai           6     2.181818
       Gurgaon           6     2.181818
         Surat           5     1.818182
        Jaipur           4     1.454545
      Vadodara           4     1.454545
    Chandigarh           4     1.454545
        Indore           4     1.454545
       Kolkata           4     1.454545
      Ludhiana           3     1.090909
        Nashik           2     0.727273
      New York           2     0.727273
         Latur           2     0.727273
        Rajkot           2     0.727273
     Kathmandu           2     0.727273
```

Bhopal	2	0.727273
Manipal	2	0.727273
jaipur	1	0.363636
East Blue	1	0.363636
Barmer	1	0.363636
Vapi	1	0.363636
Melbourne	1	0.363636
JAIPUR	1	0.363636
Goa	1	0.363636
Noida	1	0.363636
Kuwait	1	0.363636
Ahmednagar	1	0.363636
Port Blair	1	0.363636
Osmanabad	1	0.363636
Udaipur	1	0.363636
Ranchi	1	0.363636
Varanasi	1	0.363636
Rishikesh	1	0.363636
Kalimpong	1	0.363636
Jalandhar	1	0.363636
Bhubaneswar	1	0.363636
Vizag	1	0.363636
Greenwich	1	0.363636
Gurugram	1	0.363636
Visakhapatnam	1	0.363636
Bhusaval	1	0.363636
Brampton	1	0.363636
Bhusawal	1	0.363636
Ajmer	1	0.363636
Chicago Usa	1	0.363636
Faridabad	1	0.363636
Kharagpur	1	0.363636
VISAKHAPATNAM	1	0.363636

In [26]:

```
plt.pie(city_frame['NumEntries'],labels=city_frame['Names'],autopct='%1.1f%%',radius = 0.1)
plt.title('Number of entries')
plt.axis('equal')
#plt.tight_layout()
plt.show()
```



In [ ]:

```
```