```
In [25]: import pandas as pd
           import matplotlib.pyplot as plt
           import numpy as np
           df=pd.read_excel("Downloads\CovidDateWise.xlsx")
In [46]: conform=df['Confirmed']
           recover=df['Recovered']
           decease=df['Deceased']
           date=df['Date']
In [47]: plt.bar(date,conform,label="Confirmed Case")
           plt.bar(date, recover, label="Recovered Case")
           plt.plot(date, decease, label="Deceased Case")
           plt.title("India Covid-19 Case(till 09-Apr)")
           plt.xlabel("Date")
           plt.ylabel("Total Cases")
           plt.legend()
           plt.show()
                            India Covid-19 Case(till 09-Apr)
             7000
                       Deceased Case
                   Confirmed Case
             6000
                     Recovered Case
             5000
             4000
             3000
             2000
             1000
                 2020-02-01 2020-02-15 2020-03-01 2020-03-15
In [41]: df1=pd.read_excel("Downloads\CovidStateWise.xlsx")
In [42]: state=df1["State"]
           confirm=df1["Confirmed"]
           recover=df1["Recovered"]
           death=df1["Deaths"]
           active=df1["Active"]
In [43]: plt.bar(state,confirm,label="Conformed Cases")
           plt.bar(state, recover, label="Recovered Cases")
           plt.bar(state, death, label="Deaths Cases")
           plt.title("India Covid-19 cases State Wise(till 09-Apr)")
           plt.xlabel("States")
           plt.ylabel("Total No. of Cases")
           plt.legend()
           plt.xticks(rotation=90, ha='right')
           plt.xlim([-1,26])
           plt.show()
                       India Covid-19 cases State Wise(till 09-Apr)
             1400
                                               Conformed Cases
                                                 Recovered Cases
             1200

    Deaths Cases

             1000
           of Cases
              800
           Total No.
              600
              400
              200
                                                       and Nicobar Islands
                                       States
In [44]: plt.pie(confirm, labels=state)
           plt.axis('equal')
           plt.title("India State Distribution")
           plt.show()
                         India State Distribution
Tamil Nadu
                    Delhi
                                               Maharashtra
             Telangana
                                                      ades hayeli
Ales obar Islands
             Rajasthan
                                                Punjab
                                               Jammu and Kashmir
                  Kerala
                                             Haryana
                Uttar Pradesh
                                           Gujarat
                   Andhra Pradesh
                                    Karnataka
Madhya Pradesh
In [45]: plt.plot(state,confirm,label='Confirm Cases')
           plt.plot(state,active,label='Active Cases')
           plt.plot(state, recover, label="Recover Cases")
           plt.plot(state, death, label='Deaths Cases')
           plt.xticks(rotation=90, ha='right')
           plt.title("State wise Total Confirm, Active, Recover and Death Case(till 1
           1-Apr)")
           plt.xlabel("Name of States")
           plt.ylabel("Total No. of Cases")
           plt.legend()
           plt.show()
            State wise Total Confirm, Active, Recover and Death Case(till 11-Apr)
             1400
                                                     Confirm Cases
                                                     Active Cases
             1200
                                                     Recover Cases
                                                     Deaths Cases
             1000
           of Cases
              800
           Total No.
              600
              400
              200
                                    Name of States
In [ ]:
```