In [17]:
```
import numpy as np
import pandas as pd
import seaborn as sb
import matplotlib.pyplot as plot
from math import pi
```

In [19]:
```
cvd=pd.read_csv('C:\\Users\\vedan\\Desktop\\COVID tracker\\covid_19_india.csv')
```

In [20]:
```
cvd.describe()
```

Out[20]:

	Sno	Cured	Deaths	Confirmed
count	2342.000000	2342.000000	2342.000000	2342.000000
mean	1171.500000	357.392827	33.986763	1083.964987
std	676.221487	1147.041827	133.141429	3658.405642
min	1.000000	0.000000	0.000000	0.000000
25%	586.250000	0.000000	0.000000	7.000000
50%	1171.500000	12.000000	1.000000	47.000000
75%	1756.750000	130.750000	9.000000	571.000000
max	2342.000000	15786.000000	1695.000000	52667.000000

In [22]:
```
cvd.groupby(['Date'])['Confirmed','Cured','Deaths','State/UnionTerritory'].max()
```

```
C:\Users\vedan\anaconda3\lib\site-packages\ipykernel_launcher.py:1: FutureWarning: Indexing with multiple keys (implicitly converted to a tuple of keys) will be deprecated, use a list instead.
  """Entry point for launching an IPython kernel.
```

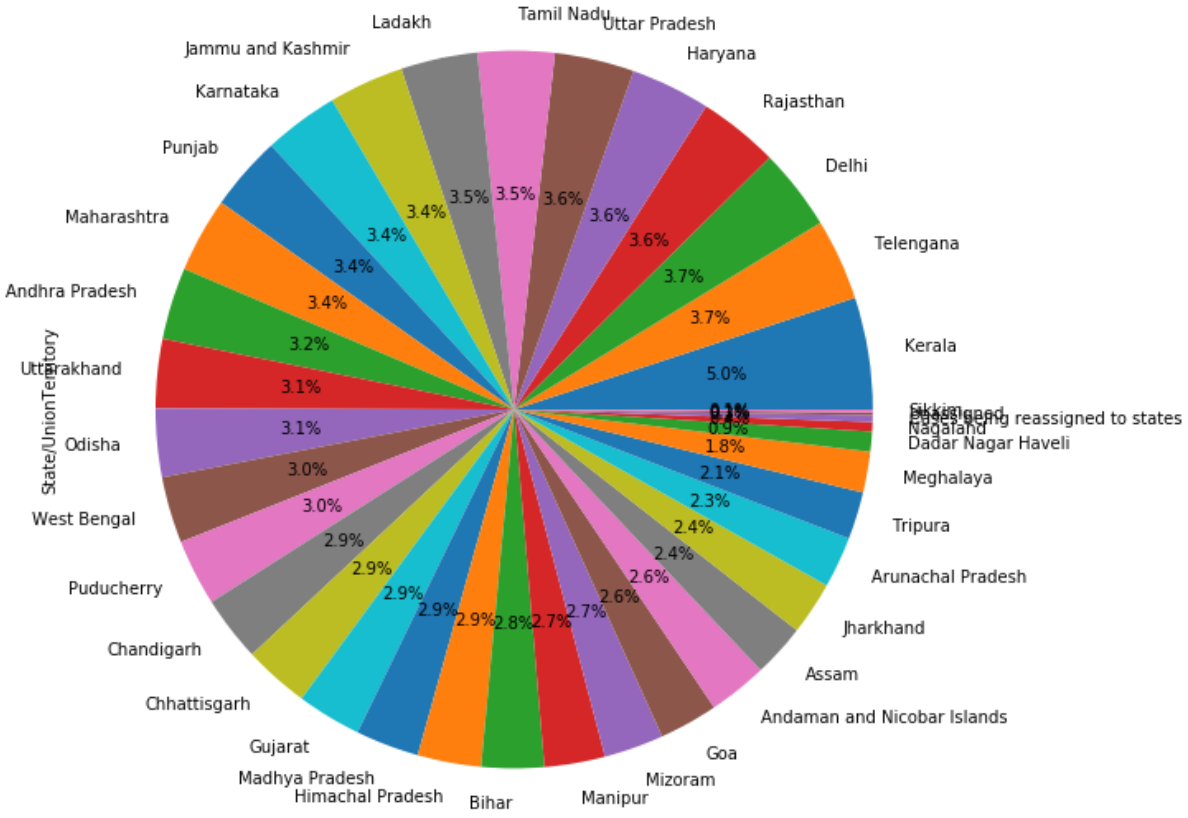
Out[22]:

Date	Confirmed	Cured	Deaths	State/UnionTerritory
01/02/20	2	0	0	Kerala
01/03/20	3	0	0	Kerala
01/04/20	302	39	9	West Bengal
01/05/20	10498	1773	459	West Bengal
02/02/20	3	0	0	Kerala
...	...	...	...	...
30/01/20	1	0	0	Kerala
30/03/20	202	25	8	West Bengal
30/04/20	9915	1593	432	West Bengal
31/01/20	1	0	0	Kerala
31/03/20	234	39	9	West Bengal

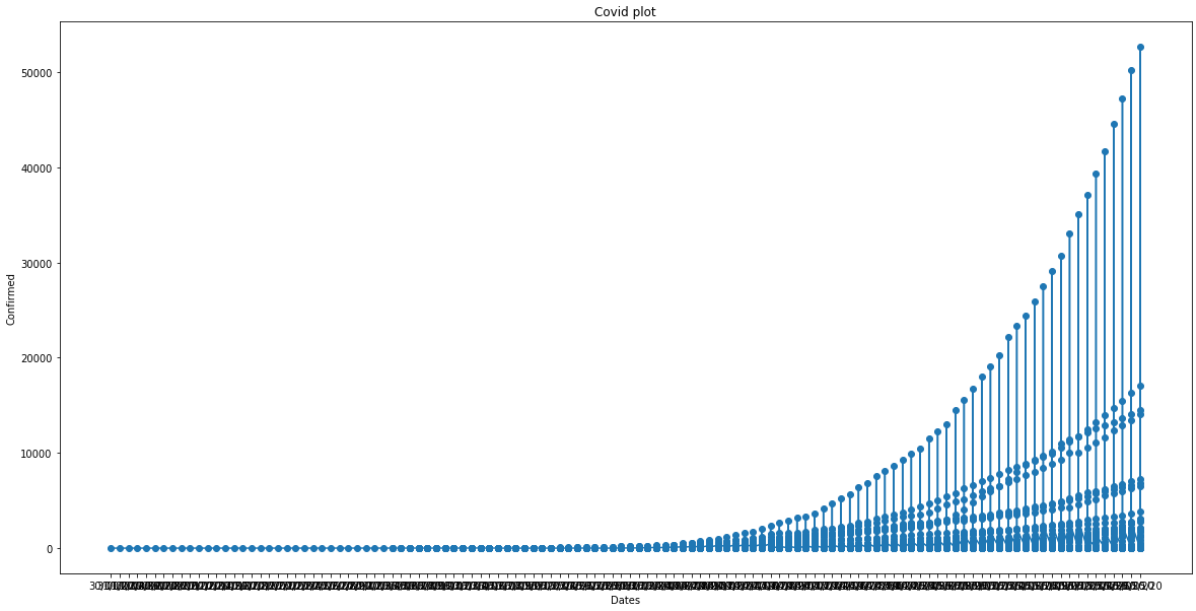
118 rows × 4 columns

In [56]:
```
plot.figure(figsize=(10,10))
cvd['State/UnionTerritory'].value_counts().plot.pie(autopct="%1.1f%%")
```

Out[56]: <matplotlib.axes._subplots.AxesSubplot at 0x28a898da0c8>



In [60]:
```
fig=plot.figure(figsize=(20,10))
ax=fig.add_subplot(111)
ax.set_title("Covid plot")
y=cvd['Confirmed']
x=cvd['Date']
plot.ylabel("Confirmed")
plot.xlabel("Dates")
plot.scatter(x,y)#Shows Scatter plot of the data wherein total confirmed cases are seen growin
g exponentially
ax.plot(x,y)
plot.show()
```



In [ ]:
```
```