

```
import folium
from folium.plugins import MarkerCluster
import pandas as pd
import numpy as np

coords=[[14.4673, 78.8242],[14.2710,79.1069],[14.1969,79.1555],
        [13.9598,79.3500],[13.6288,79.4192],[13.6373,79.5037],
        [13.7527,79.7067],[14.0445,79.7564],[14.1463,79.8504],
        [14.4426,79.9865],[14.9132,79.9930],[15.5057,80.0499],
        [15.8167,80.3587],[15.9039,80.4671],[16.0613, 80.5645],
        [16.2379,80.6444],[16.5062,80.6480],[16.7850, 80.8488]]
coords_1=[[14.4673, 78.8242],[14.7309,79.0589],[15.0960,79.4113],[16.3067,80.4365],[16.5062,8

from branca.element import Figure
fig5=Figure()
map5=folium.Map(location=[16.7850, 80.8488],tiles='cartodbpositron',zoom_start=7)
fig5.add_child(map5)
```

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```
f1=folium.FeatureGroup("route_1")
f2=folium.FeatureGroup("route_2")

# Adding lines to the different feature groups
line_1=folium.vector_layers.PolyLine(coords,popup='<b>path of route_1</b>',tooltip='route_1',
line_2=folium.vector_layers.PolyLine(coords_1,popup='<b>path of route_2</b>',tooltip='route_2
#Adding markers to the map
folium.Marker(location=[16.7850,80.8488],tooltip='Nuzvid',icon=folium.Icon(color='red',prefix
folium.Marker(location=[16.5154, 80.6059],tooltip='Vijayawada Durga Temple',icon=folium.featu
folium.Marker(location=[15.5057,80.0499],tooltip='Ongole').add_to(map5)
folium.Marker(location=[14.4426,79.9865],tooltip='Nellore').add_to(map5)
folium.Marker(location=[13.6288,79.4192],tooltip='Tirupati').add_to(map5)
folium.Marker(location=[14.4673,78.8242],tooltip='kadapa',icon=folium.Icon(color='green',pref

folium.Marker(location=[14.7309,79.0589],tooltip='Bus Route',icon=folium.features.CustomIcon(
folium.Marker(location=[16.3067, 80.4365],tooltip='SS Fast Food',icon=folium.features.CustomI
folium.Marker(location=[15.0960, 79.4113],tooltip='Hotel Sitara',icon=folium.features.CustomI
folium.Marker(location=[14.9132,79.9930],tooltip='Dmart Mall',icon=folium.features.CustomIcon

f1.add_to(map5)
f2.add_to(map5)
folium.LayerControl().add_to(map5)
map5
```



