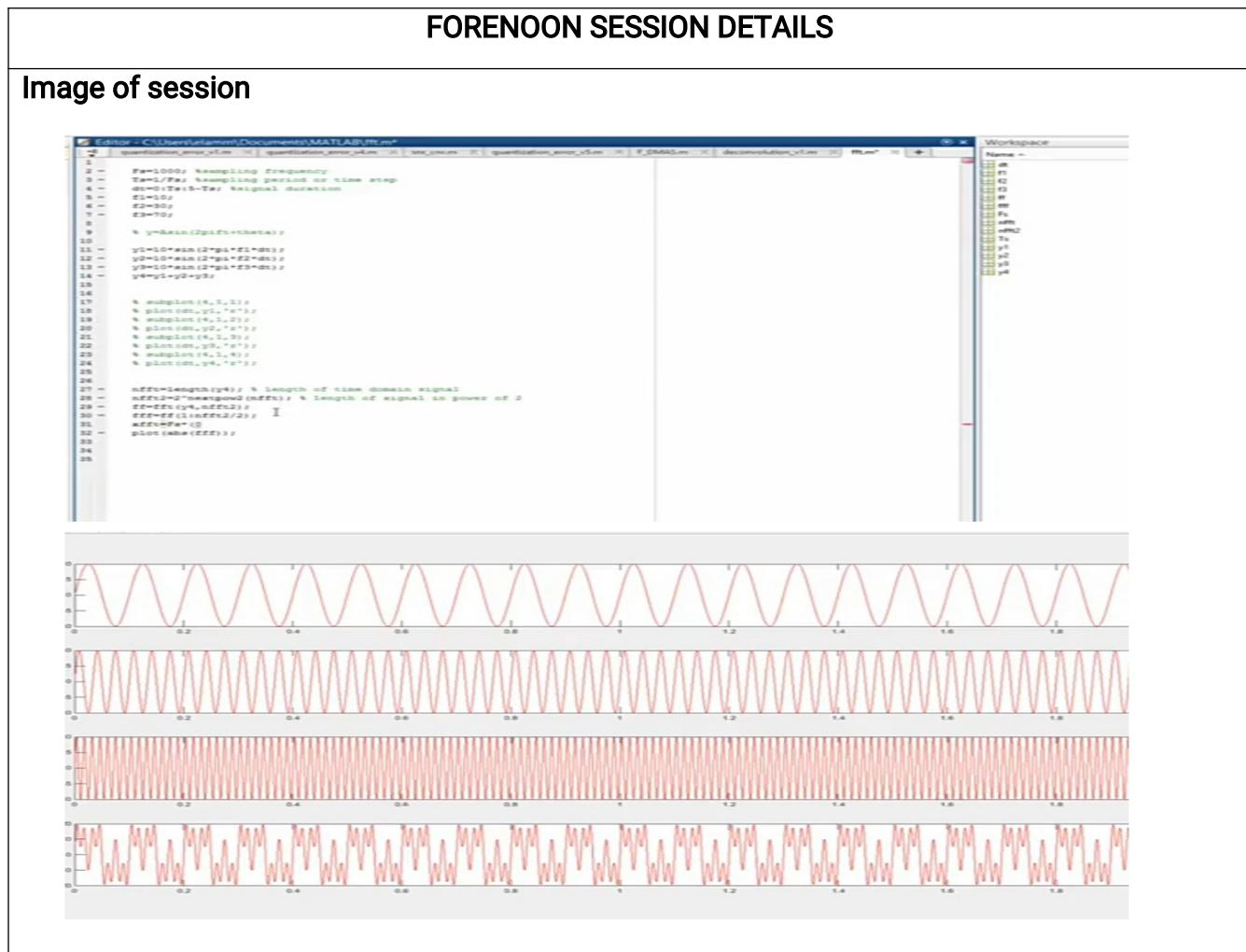
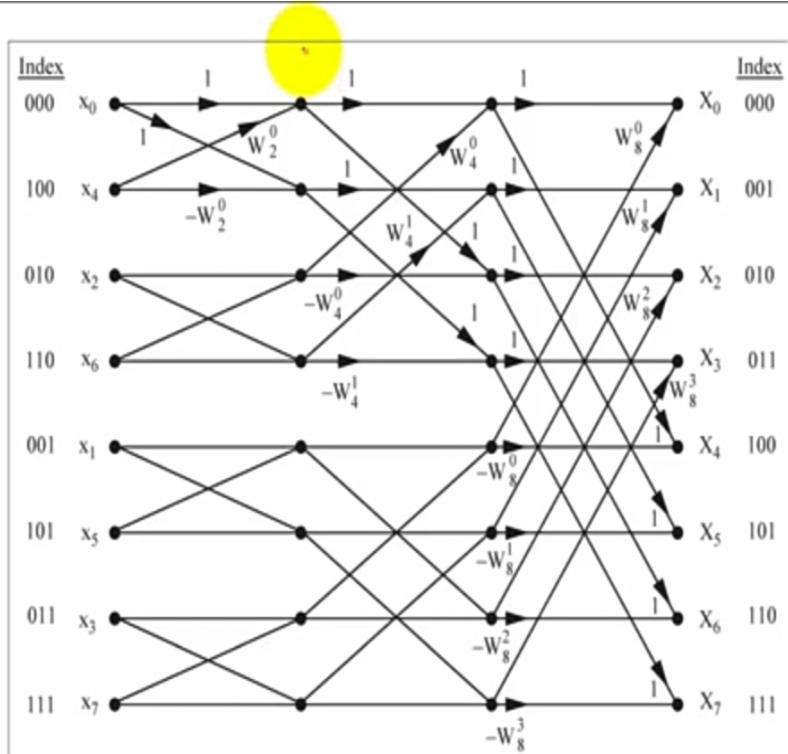
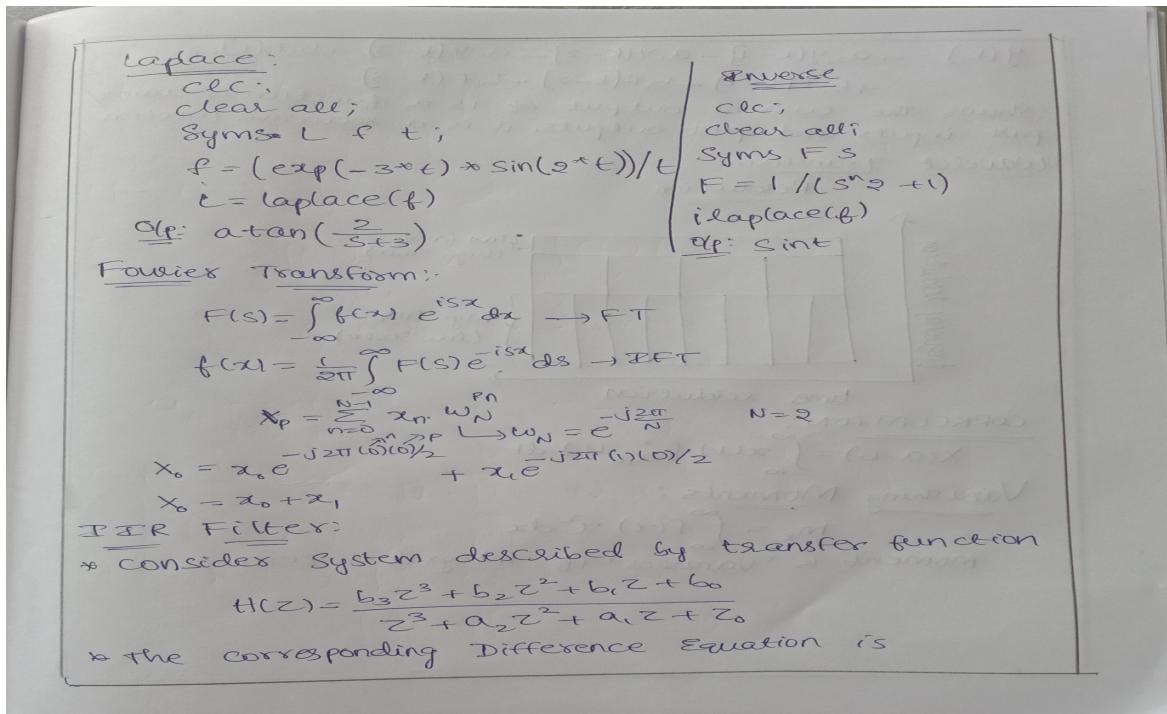


# DAILY ASSESSMENT FORMAT

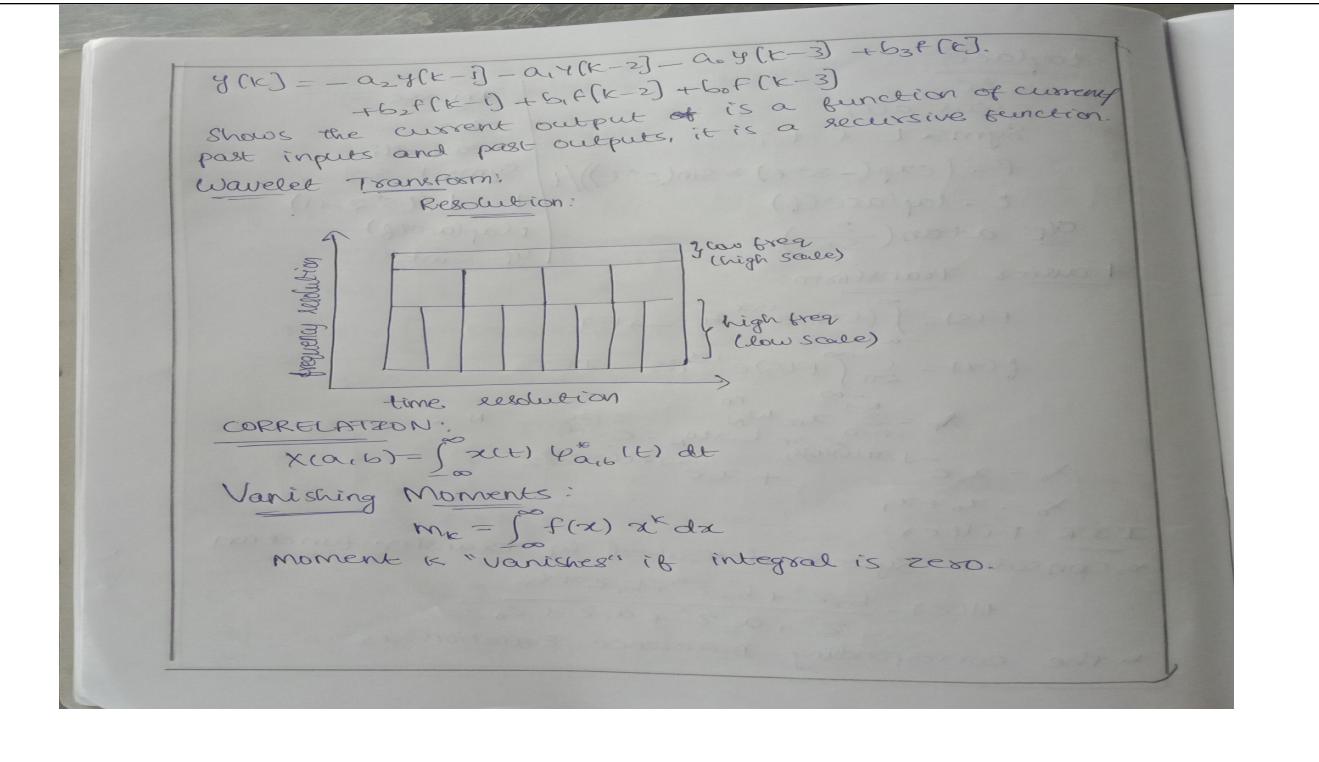
Date:	27/05/2020	Name:	Nichenametla Bhargavi
Course:	DSP	USN:	4AL17EC061
Topic:	<b>Fast Fourier Transforms</b> <b>FIR and IIR Filters</b> <b>Implementation of signal Filtering signal using WT in Matlab</b> <b>Short-time Fourier Transform and the Spectrogram</b> <b>Welch's method and windowing</b>	Semester & Section:	6th Sem A sec
Github Repository:	alvas-education-foundation/Bhargavi_Nichenametla		



**Report – Report can be typed or hand written for up to two pages.**







Date:	27/05/2020	Name:	Nichenametla Bhargavi
Course:	Python	USN:	4AL17EC061
Topic:	Fixing Program Errors	Semester & Section:	6th Sem A sec
	Application 3: Build a Website Blocker		

### AFTERNOON SESSION DETAILS

#### Image of session

```

137. Solution
mapping
1 import folium
2 import pandas
3
4 data = pandas.read_csv("Volcanoes.txt")
5 lat = list(data["LAT"])
6 lon = list(data["LON"])
7 elev = list(data["ELEV"])
8
9 def color_producer(elevation):
10     if elevation < 3000:
11         return 'green'
12     elif 3000 <= elevation < 3300:
13         return 'orange'
14     else:
15         return 'red'
16 map = folium.Map(location=[38.58, -99.09], zoom_start=6, tiles="Mapbox Bright")
17
18 fg = folium.FeatureGroup(name="My Map")
19
20 for lt, ln, el in zip(lat, lon, elev):
21     fg.add_child(folium.CircleMarker(location=[lt, ln], radius=6, popup=str(el) + " m",
22                                     fill_color=color_producer(el), color = 'grey', fill_opacity=0.7))
23
24 map.add_child(fg)
25 map.save("Map1.html")

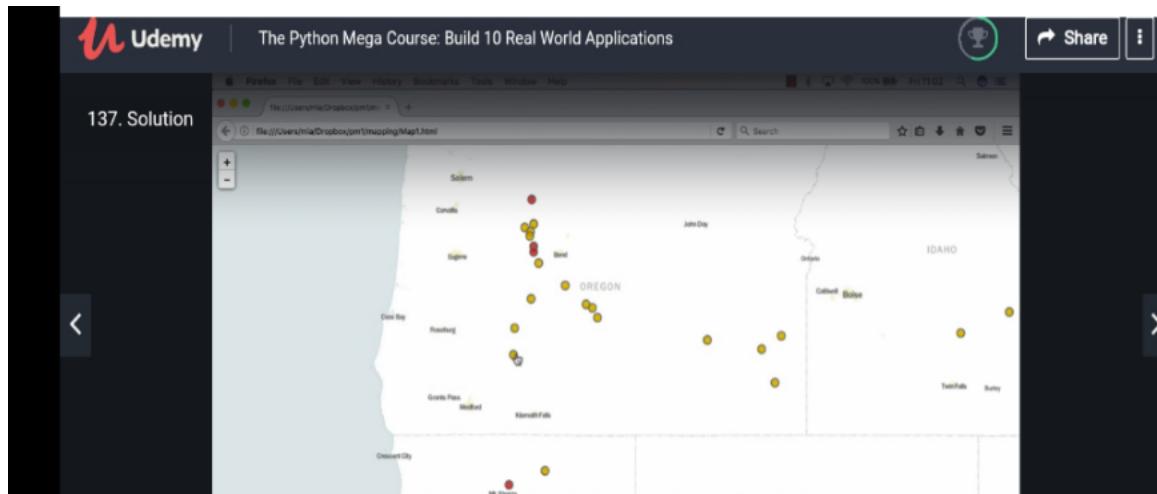
```

You may need to add one more argument if circles show as blank.  
fill=True

Ardis-MBP:mapping min\$ python3 map1.py  
File: map1.py, line 25  
SyntaxError: invalid syntax

0:42 / 1:53

## Report – Report can be typed or hand written for up to two pages.



```
map1.py          world.json          Volcanoes.txt

4 data = pandas.read_csv("Volcanoes.txt")
5 lat = list(data["LAT"])
6 lon = list(data["LON"])
7 elev = list(data["ELEV"])
8
9 def color_producer(elevation):
10     if elevation < 1000:
11         return 'green'
12     elif 1000 <= elevation < 3000:
13         return 'orange'
14     else:
15         return 'red'
16 map = folium.Map(location=[38.58, -99.09], zoom_start=6, tiles="Mapbox Bright")
17
18 fg = folium.FeatureGroup(name="My Map")
19
20 for lt, ln, el in zip(lat, lon, elev):
21     fg.add_child(folium.CircleMarker(location=[lt, ln], radius = 6, popup=str(el)+" m",
22         fill_color=color_producer(el), color = 'grey', fill_opacity=0.7))
23
24 fg.add_child(folium.GeoJson(data=open('world.json', 'r', encoding='utf-8-sig'),
25 style_function=lambda x: {'fillColor':'green' if x['properties']['POP2005'] < 10000000 }))
26
27 map.add_child(fg)
28 map.save("Map1.html")
29
```

