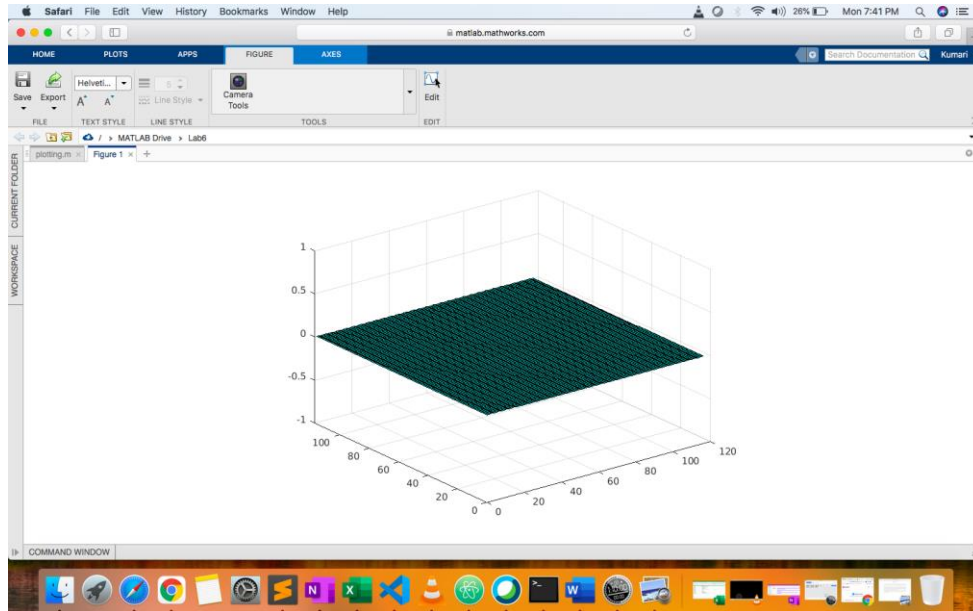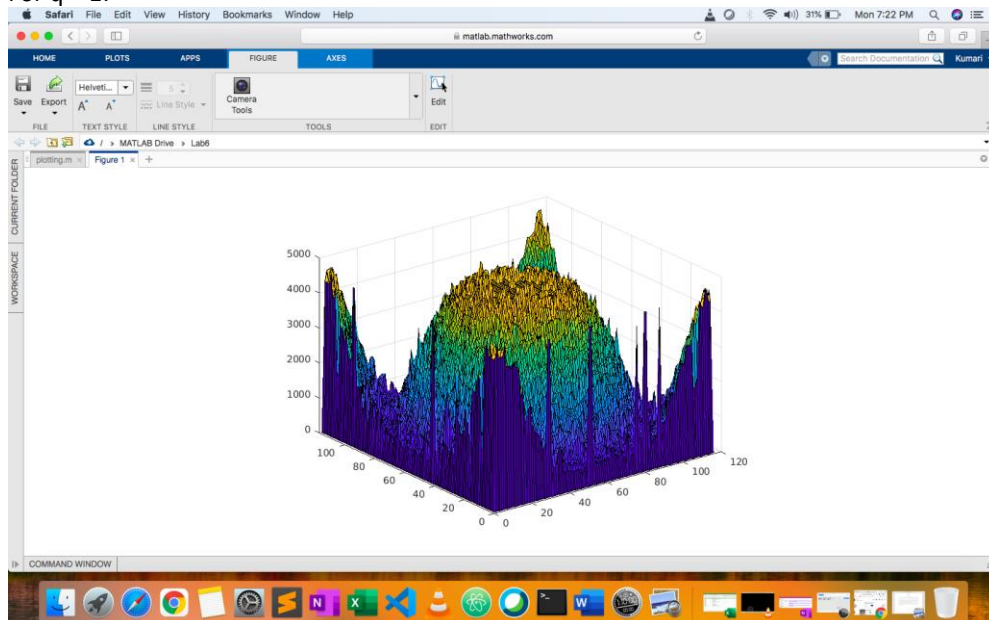Name : Kumari Rashmi
Roll No : EE20S051
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Have written the entire code in Python i.e. assignment6.py
For plotting purpose have used matlab surf method. Have exported the depth map matrix i.e. output in file1.txt and then used this matrix to plot 3D structure of the scene. Which came as below:
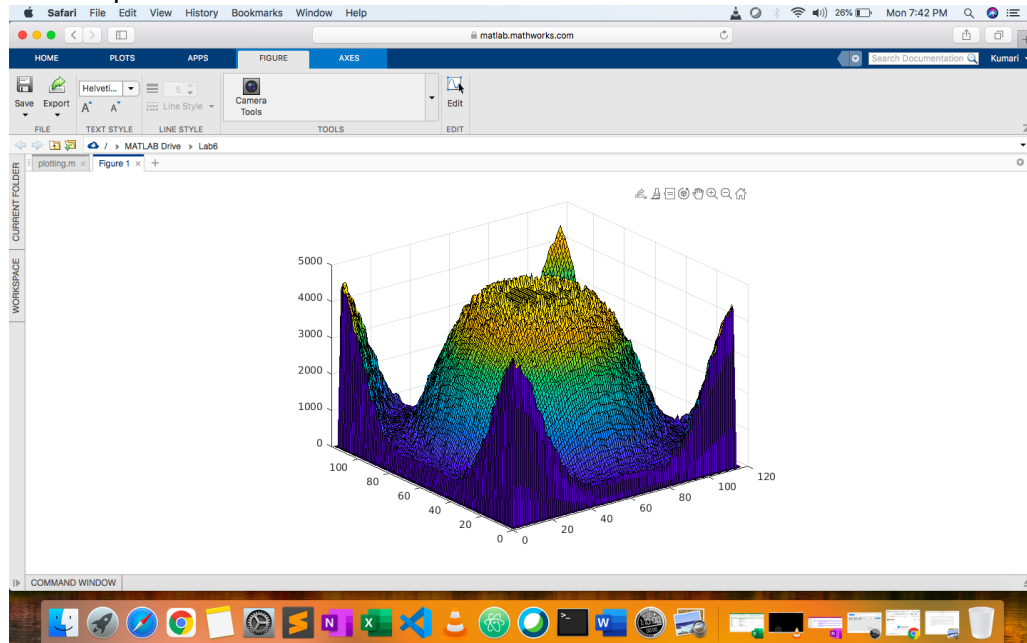
For q = 0:

For q = 1:

For q = 2:

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Roll No : EE20S051
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Matlab code for plotting the 3d structure: