**Machine Learning: Assignment 7**

# 

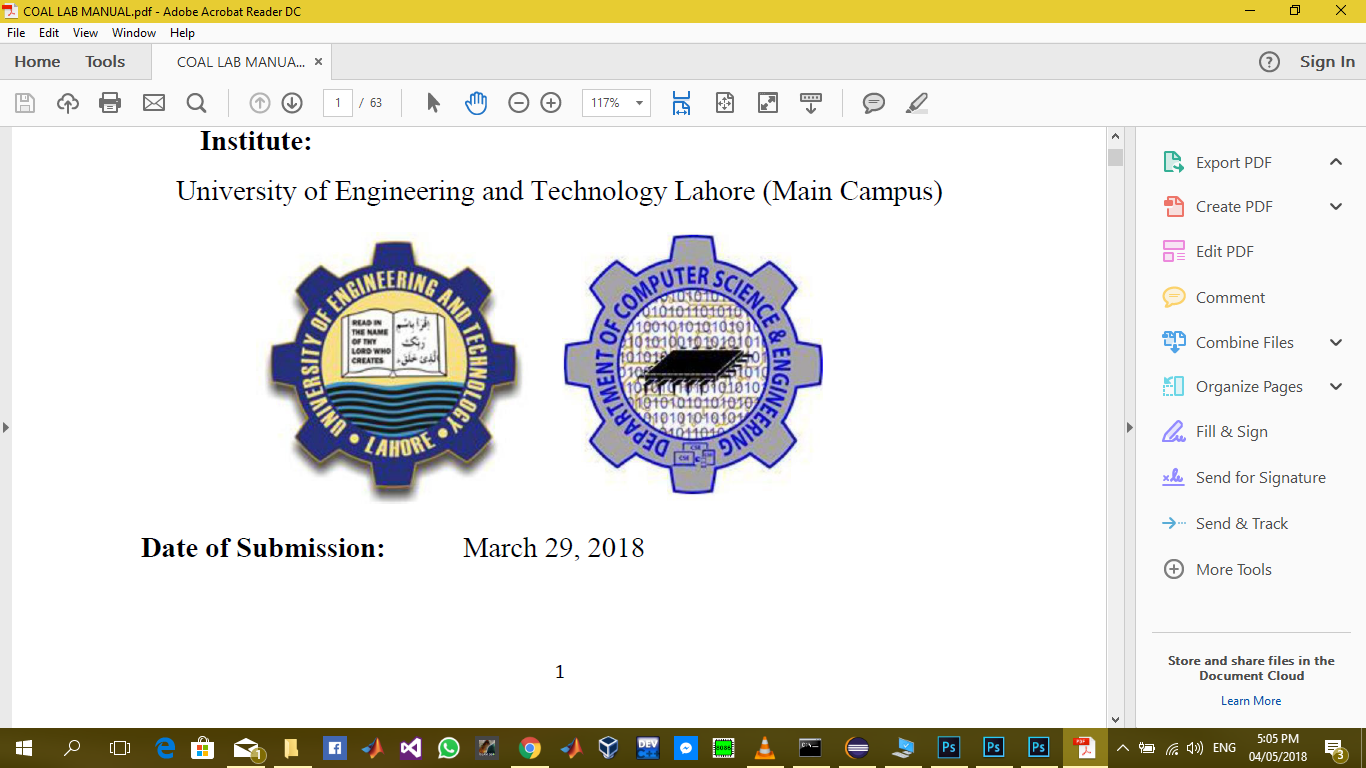
# Submitted to:

Dr. Awais Hassan

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# Submitted by:

Komal Shehzadi (2020-MSCS-590)



**Specifications:**

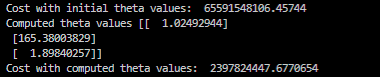
Without normalization

alpha = 0.0000001

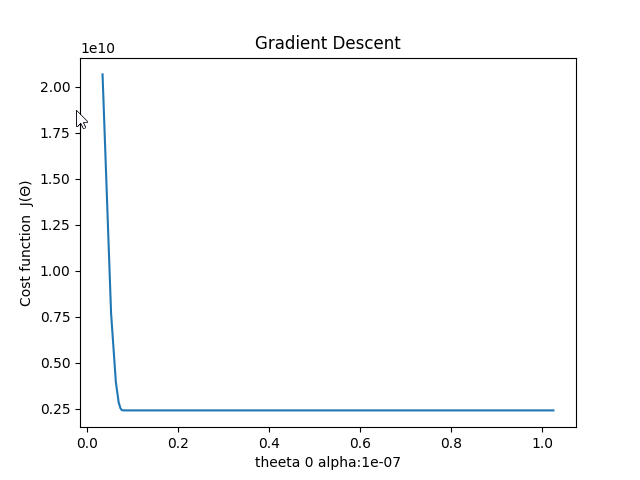
iterations = 1000

initial\_theta = [[0],[0],[0]]

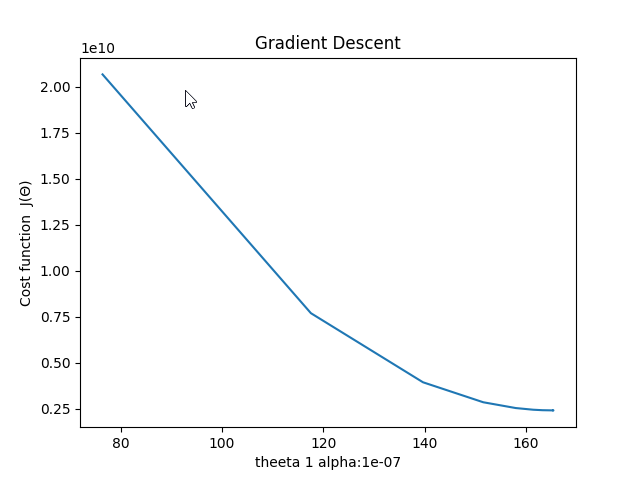
**Output:**



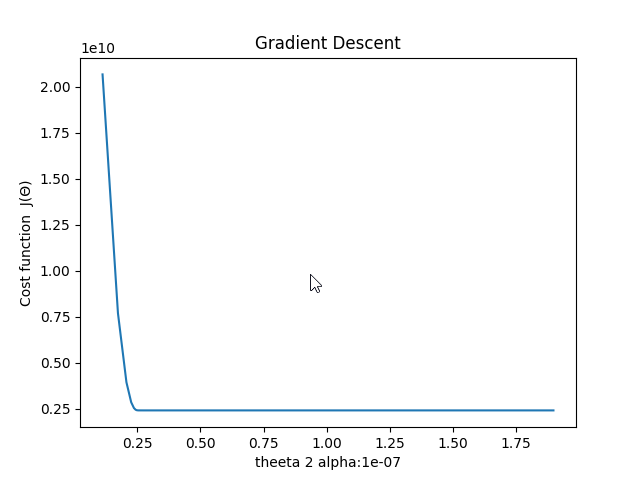
Theta 0:



Theta 1:



Theta 2:



**Specifications:**

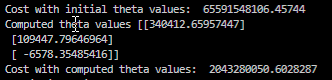
With normalization

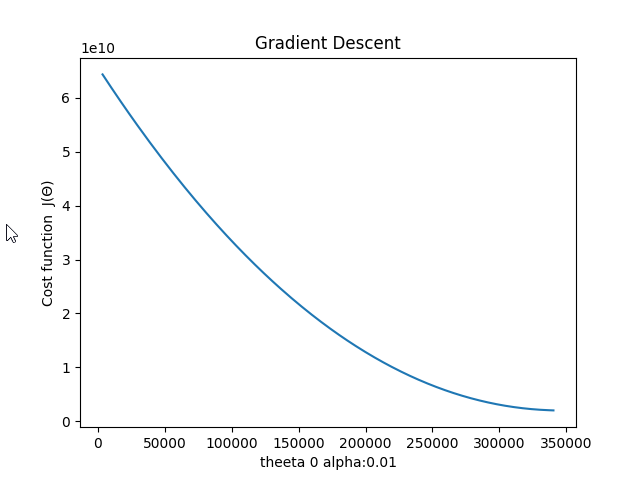
alpha = 0.01

iterations = 10000

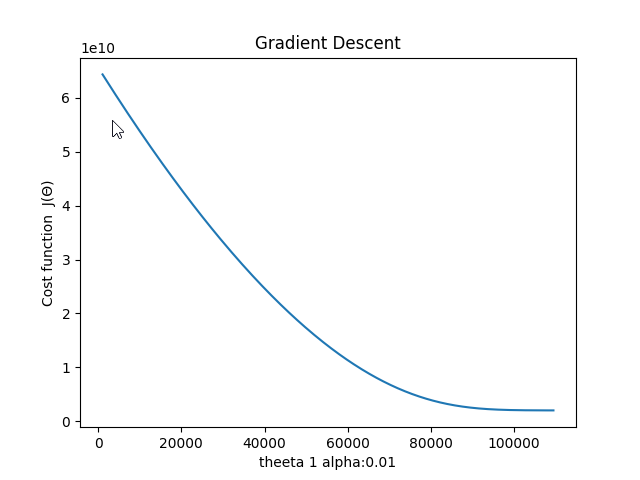
initial\_theta = [[0],[0],[0]]

**Output:**





Theta 1:



Theta 2:

