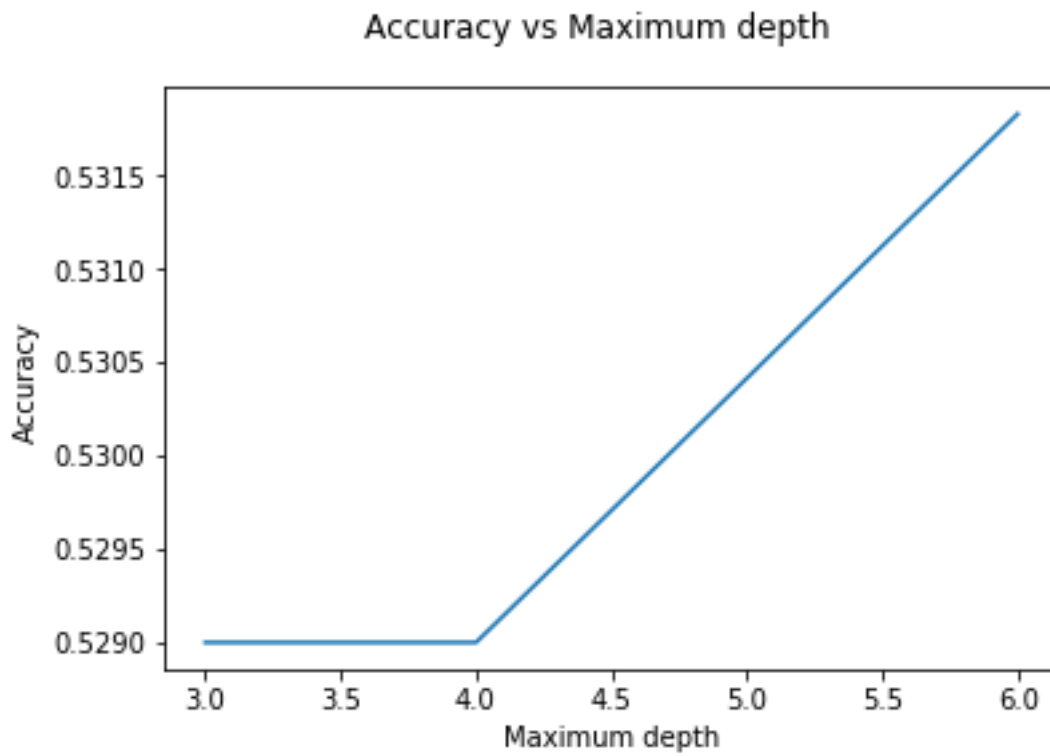


Part 2-Ans

1) Below is the graph showing the accuracy as the maximum depth increases.



2) After running the code form more than 20 times and from the above plot we can clearly say that overfitting is happening as the depth of the tree becomes more than 4. Also, from the experiment it can be said that accuracy varies from 49% to 55%.