**PS Harigovind**

**CE19B070**

1.

* I uploaded the text file which contains the text.
* I pre-processed the text data
* Then using a pre-trained zero-shot classification model, ranked the relevant ingredients.

2.

a)Pattern is creating another array which has elements in which the ‘i’ th element is replaced by a product of all other elements except itself.

b)def func(nums):

res = [1]

for i in range(len(nums)-1):

res.append(res[-1]\*nums[i])

postfix = 1

for i in range(len(res)-1,-1,-1):

res[i] \*= postfix

postfix \*= nums[i]

return res

c)Time complexity-O(n)

Auxiliary Space-O(1)

3.a)I want to improve my skills as a data scientist from the experienced professionals in the company.

b) I have great interest in pre-processing the data and using the data to find some insights in the future. Apart from that I have interest in statistics and probability. Completing each project gives me intense satisfaction and new things will be learned while doing every project.   
Every project is different in ML.

c)I don’t have any dream problem, I want to solve problems that the company needs the most.