**MCS173 Python Programming CAT 2**

**Date: 17/12/2020 Time 2-4PM Max Marks 20**

**Each question carries equal marks (5\*4=20)**

Consider the following csv files

1. Automobile\_data.csv
2. company\_sales\_data.csv

Write a python script using numpy, pandas and matplotlib modules to

1. You are a boy-racer(a [young](https://www.macmillandictionary.com/dictionary/british/young_1) man/women who [drives](https://www.macmillandictionary.com/dictionary/british/drive_1) a [powerful](https://www.macmillandictionary.com/dictionary/british/powerful) [car](https://www.macmillandictionary.com/dictionary/british/car) in a very [fast](https://www.macmillandictionary.com/dictionary/british/fast_1) [careless](https://www.macmillandictionary.com/dictionary/british/careless) way). List the top three cars from the Automobile\_data.csv

dataset which you would prefer to drive. (you need automate the listing using the modules)

1. You are a German automobile fan and want to buy cars made in Germany or at least in Europe . List all the cars from the Automobile\_data.csv made in Europe which are “sedan”.(Little knowledge of Car manufacturing company is required).
2. You just inherited 100,000 pounds from your paternal grand Aunt who lives in England and this will help you to buy your dream car. Your wish list is the highest priced cars of all companies from the Automobile\_data.csv. Print the wishlist with company, car type, amount.
3. You have started a company in 2019 which makes cosmetic products like face cream, moisturiser . Plot a line graph depicting the month and profit obtained. Label the graph appropriately. Use company\_sales\_data.csv dataset.
4. Plot a bar graph for month vs profit and identify the month where the profit is maximum. Use company\_sales\_data.csv dataset