

1. a) Write a menu-driven program to perform the following operations on stack using list:

1. Push
2. Pop
3. Display Stack
4. Exit

b) Create the tables Travel and Trains given below in mysql:

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Table – Travel

travel_id	passenger_name	destination	travel_date	Class	fare	train_id
1	Krutgna	Mumbai Central	2025-01-20	SL	105	1
2	Jay	Ahmedabad	2025-01-21	CC	115	2
3	Deep	Dadar	2025-01-22	AC	385	3
4	Krishil	Bandra	2025-01-23	AC	385	1
5	Pearl	Dadar	2025-01-25	CC	115	3

Table – Trains

train_id	train_name	departure_time	arrival_time
1	Flying Rani	06:47:00	09:11:00
2	Vadnagar Intercity	06:45:00	10:05:00
3	Karnavati Express	09:17:00	12:20:00

Write the suitable queries in SQL to perform the followings:

- a) Display passenger names , corresponding train names and fare for records where amount is more than 100.
- b) Increase amount by 20% who are travelling by ‘AC’.
- c) Display class-wise average fare.
- d) Remove records of passengers who are travelling by “Karnavati Express”.

2. Practical Report File

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3. Project

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4. Viva Voce

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