# Offline 01 – Section A – Marks 05

*[All of your sql commands should be in a single script, you will upload a single sql file, rename the file with your ID]*

Consider the following schema:

**Suppliers** (*sid:* integer, *sname:* string, *address:* string)
**Parts** (*pid:* integer, *pname:* string, *color:* string)
**Catalog** (*sid:* integer, *pid:* integer, *cost:* real)
The Catalog relation lists the prices charged for parts by Suppliers.

## Tasks:

a. Create the three tables and insert necessary data on the tables using sql commands (necessary data can be within 5 to 10 rows)
(We all should learn the reverse process - based on the query, we should be able to guess the required data)

b. Write the following queries in SQL -
1. Find the *sid*s of suppliers who supply a red part or a green part.
2. Find the *sname*s of suppliers who supply every red part.
3. Find the *sid*s of suppliers who charge more for some part than the average cost of that part (averaged over all the suppliers who supply that part).