

ASSIGNMENT-1a (SQL)

SUPPLIER(SID, SNAME, CITY)

PART(PID, PNAME, COLOR)

CATALOG(SID, PID, COST)

1. Create the above tables with necessary constraints.
2. Display details of suppliers who supply red colored parts.
3. Display total number of suppliers for each part.
4. Display suppliers based in Mumbai and whose names have 'j' as the third character.
5. Create a view 'catview' which stores details about suppliers and parts where the cost is more than 100.
6. Add a column SCONTACT to the table SUPPLIER which always has '0'(zero) as the first character.
7. Create a composite index on table SUPPLIER for the columns SNAME and CITY.
8. Display all those suppliers who supply more than three parts.
9. Display suppliers who are not supplying any part.
10. Display the average cost of all green parts.

CATEGORY(CAT_NO, CAT_TYPE, EXPIRY_DT)

ITEM (ITEMNO, IDESC, UNIT_OF_MEASURE, QTY_ON_HAND, WEIGHT, CAT_NO)

1. Create the above tables with necessary constraints.
2. Add a constraint to the ITEM table which will allow the QTY_ON_HAND to have values between 100 and 1000 only.
3. Display how many items are there in each category.
4. Display the items in descending order of their weights.
5. Display categories which expire in the month of December.
6. Display items which have the same weight as that of ITEMNO 116.
7. Display items which do not have the alphabet 'A' or 'T' in their IDESC.
8. Increase the size of the column IDESC by making it a variable length of 25 characters.
9. Display the item details and the category details of items which have a UNIT_OF_MEASURE as Kilogram, Meters or Litres.