Answer the Following questions based upon on **SQL**

Q1. Write SQL command for (a) to (f) and write output of SQL command given in (g) with the help of table shown below :

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.no. | Title | Author | Type | Pub | Qty | Price |
| 1 | Data Structure | Lipschutz | DS | Mcgraw | 4 | 217 |
| 2 | Computer Studies | French | FND | Galgotia | 2 | 75 |
| 3 | Advanced Pascal | Schildt | PROG | Mcgraw | 4 | 350 |
| 4 | Dbase Dummies | Palmer | DBMS | PustakM | 5 | 130 |
| 5 | Mastering C++ | Guerewish | PROG | BPB | 3 | 295 |
| 6 | Guide Network | Freed | NET | ZPress | 3 | 200 |
| 7 | Mastering Foxpro | Seigal | DBMS | BPB | 2 | 135 |
| 8 | DOS Guiede | Norton | OS | PHI | 3 | 175 |
| 9 | Basic of Beginner | Morton | PROG | BPB | 3 | 40 |
| 10 | Mastering Window | Cowart | OS | BPB | 1 | 225 |

a) Select all the PROG type published by BPB from Library.

b) Display a list of all books with Price more than 130 and sorted by Qty.

c) Display all books sorted by Price in ascending order.

d) Display all report, listing books title, current value and misplacement charges for each book in above table.

Calculate the misplacement charges for all books price\*1.25.

e) Count the number of books in above table. Fill all the column with values.

f) Insert a new book in Library table. Fill all column with valus.

g) Give the output of following SQL command on the basis of table Library

1. Select MIN(Price) from Library where Price<150;

2. Select AVG(Price) from Library where Qty<3;

3. Select COUNT(DISTINCT Pub) from Library;

Answer :

1. SELECT Type

FROM Library

WHERE(Type=’PROG’AND Pub=’BPB’);

1. SELECT Title ‘BOOKS’,

FROM Library

WHERE Price>130

ORDER BY Qty;

1. SELECT Title ‘BOOKS’,

FROM Library

ORDER BY Price ASC;

1. SELECT Title ‘BOOKS’, Price “Current Value”, Price\*1.25”Misplacement Charges”

FROM Library;

1. SELECT Count(Title)

FROM Library

WHERE Pub=’PHI’;

1. INSERT INTO Library

VALUES(“Exploring C”,”Yashwant”,”PROG”,”BPB”,3,230);

g) 1.40

2.145

3.6