LAB-8

Publication Management System

Entity:

Name	Attributes	Primary Key
Author	Authcode,authname	Authcode
Book	Bookcode, bookname	Bookcode
Publisher	Pubcode,pubname,pubcity	Pubcode

Author:

Attribute	Data Type	
Authcode	varchar	Author identification number
Authname	varchar	Name of the author

Author:

Authcode	Authname
A01	P Banerjee
A02	S Goyal
A03	M Gildayal
A04	S Ramanujam
A05	W Holrith
A06	M Bellot
A07	A W Tenunbam
A08	P K Dasgupta
A09	S Ghosh
A10	U Ullman

Publisher:

Attribute	Data Type	Description
pubcode	Varchar	Publisher identification number
pubname	Varchar	Publisher name
pubcity	Varchar	Publisher city

Publisher:

pubcode	pubname	pubcity
PB01	BPB	DELHI
PB02	TMH	DELHI
PB03	MCGRAW HILL	WASHINGTON
PB04	PEARSON EDUCATION	MUMBAI
PB05	ANANDA	KOLKATA
PB06	ADDISION WESLEY	LONDON
PB07	LIBERTY	BHOPAL
PB08	S CHAND	LUCKNOW
PB09	PHI	DELHI
PB10	NAIDU & CO	CHENNAI

Book:

Attribute	Data type	Description
Bookcode	**Varchar**	**Book identification number**
Bookname	**varchar**	**Name of the book**

Book:

Book code	Book name
BK01	**ENGINEERING MATHEMATICS**
BK02	**ELECTRICAL ENGINEERING**
BK03	**HUMAN ANATOMY**
BK04	**GENERAL PHYSICS**
BK05	**COMPUTER NETWOR**
BK06	**DATA FILE STRUCTURE**
BK07	**AUTOMATA THEORY**
BK08	**DATA COMMUNICATION**

BK09	**DATA COMPRESSION**
BK10	**SQL PLUS**
BK11	**INDIAN HISTORY**
BK12	**VISUAL BASICS 6.0**
BK13	**DEVELOPER 2000**
BK14	**OPERATING SYSTEM**
BK15	**DATA BASE SYSTEM**

RELATIONSHIP:

RELATIONS	PRIMARY KEY	FOREIGN KEY	REFERENCE ENTITY	RELATIONSHIP ATTRIBUTE
WRITES	AUTHCODE+BOOKCODE	AUTHCODE→BOOKCODE	AUTHOR, BOOK	NIL
SENDS	AUTHCODE_PUBCODE	AUTHCODE→PUBCODE	AUTHOR, PUBLISHER	NIL
PUBLISHES	BOOKCODE_PUBCODE	BOOKCODE→PUBCODE	BOOK, PUBLISHER	NIL

WRITES:

AUTHCODE	BOOKCODE
A01	BK01
A02	BK02
A02	BK03
A03	BK05
A04	BK06
A04	BK07
A05	BK04
A06	BK08
A07	BK09
A07	BK11
A08	BK10
A08	BK01
A09	BK12
A09	BK14
A10	BK13
A10	BK15

PUBLISHER:

BOOKCODE	PUBCODE
BK01	PB01
BK02	PB02
BK03	PB10
BK04	PB01
BK05	PB07
BK06	PB06
BK07	PB06
BK08	PB03
BK09	PB03
BK10	PB08
BK11	PB09
BK12	PB05
BK13	PB10
BK14	PB04
BK15	PB08

SENDS:

AUTHCODE	PUBCODE
A01	PB01
A02	PB02
A02	PB10
A03	PB07
A04	PB06
A05	PB01
A06	PB03
A07	PB03
A07	PB09
A08	PB01
A08	PB08
A09	PB04
A09	PB05
A10	PB08
A10	PB10

QUERIES:

1) List the author of the book 'computer network.
2) List the author who has written more than one book.
3) List the name of the book written by more than one author.
4) List the book name whose author name contains the character 'go' in it.
5) List the name of the books written by the author whose name ends with character 'm'.
6) List the book code along with the pub code, which has been published by the same name.
7) List the name of the book published from a city having maximum number of publishers.
8) List the name of the book, which is published by the publisher of 'Linux'.
9) List the name of the publisher who has published maximum number of books.
10) List the book name, which has been published by 'phi'.
11) List the author name whose book has been published by 'TMH'
12) List the publisher city of the book 'ELECTRICAL DESIGN'.
13) List the publisher name who has published a book written by more than one author.
14) List the name of the book written by 'W.HOLRITH'
15) List the name of the authors whose books are published by those publishers whose name starts from letter 'A'.
16) List the publisher of the book 'DATA COMPRESSION'
17) List the name of the author whose book is published who belongs to 'London'.
18) List the book name of those publishers who belongs to 'DELHI'
19) List the name of the author who has published books with more than one publisher.
20) List the publishers who have published more than one books of the same author.
21) Count the total number of books published by 'BPB'**.**
22) List the publishers who have published books of more than one author.
23) List the total number of books published by DELHI based publishers.
24) List the book name, publisher name, and author name of those books which are published by foreign publisher.
25) List the publisher name and book name of the book published by the author "S GOYAL".
26) List the total number of books published by 'PK DASGUPTA'.
27) List the books published by the author who has written the book 'ELECTRICAL DESIGN'
28) List the author and publisher of the books whose title string contains the keyword "DATA".
29) List the books published by the publisher "LIBERTY".