Jimma University

Jimma institute of technology JIT

Faculty of computing and Informatics

Database assignment exam for IT 2nd Year students

1. Create the following tables and insert the following data.

Book

ISBN	Tittle	Publish_date	Author_id
123456	Fundamentals of database	12/09/2010	110
213456	Data structure and algorithm	09/09/2011	121
012345	Programming II	09/12/2018	121
098765	SYSTEM ANALYSIS AND DESIGN	01/04/2017	132

Author

Author_id	Name	Age	address
110	Getachew A	36	Jimma ethiopia
121	Abebe M	45	Adama Ethiopia
211	Gemechu T	50	Jimma Ethiopia
132	Seid F	27	BahirDar Ethiopia
111	Teka M	34	Addis Ababa ethiopia

Borrowed

ISBN	STU_ID	Borrowing_date	Return_date
123456	RU123/10	12/09/2019	28/09/2019
213456	RU123/10	09/09/2019	29/09/2019
012345	RU333/10	09/12/2019	30/12/2019
098765	RU333/10	01/04/2019	01/05/2019
123456	RU124/10	12/09/2019	12/10/2019

Student

ID	NAME	DEPARTMENT	Birthdate
RU123/10	Abraham N	IT	28/09/2009
RU123/11	Matiys B	CS	29/09/2000
RU333/11	Birhanu S	SE	30/12/2004
RU344/10	Sara M	Civil	01/05/1999
RU124/10	Gemechu T	Electrical	12/10/1999

2. Retrieve the students' details whose department is IT.
3. Find the AUTHOR name whose AGE is greater than 37 YEARS.
4. Find the employee's details whose experience is 5 years.
5. Delete the BOOK WHOS TITLE IS FUNDAMENTALS OF DATABSE.
6. Modify the department name as 'INFORMATION TECHNOLOGY from "IT".
7. Retrieve the maximum, minimum and average age of authors?
8. Find the STUDENT AND AUTHOR name whose name start with 'A'.
9. Find the STUDENT WHO BORROW BOOK and his departments is CS.
10. Create a view named "AUTHOR_VIEW", to handle the following attributes :(AUTHOR_ID, AUTHOR_NAME, BOOK_TITLE);
11. Retrieve the STUDENT names who ARE under "CIVIL" department.
12. Create a table to handle only Information technology students.
13. Find the STUDENT WHO BORROWED MORETHAN ONE BOOK.
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