Managing Views

Sr. No.	Assignment Question
1.	BookParadise is an online library management system used by a library in Seattle. The software makes use of SQL Server 2005 databases. Information about thousands of books are maintained and updated regularly. In the recent few years, BookParadise has grown in size after receiving international funding and the number of books has increased tremendously. This increase in the number of books has made searching for books very difficult. Also, BookParadise needs to now allow searches to be made by users displaying only selective information to them. The entire content of the tables are not to be displayed to the users. Towards this end, views will be created to enable the readers to display information about books, in a fast and efficient manner. The **Books** table in the **BookParadise** database has the following structure: ➢ Books:

Field Name	Data Type	Key Field	Description
BookCode	varchar(5)	Primary Key	Book Identification Code
Title	varchar(30)		Title of the book
Author	varchar(30)		Author of the book
Edition	int		Edition number
RatePurchased	money		Cost price of the book
PurchaseDate	datetime		Date when book was purchased
VendorName	varchar(30)		Vendor who sold the book
BookStatus	varchar(15)		Indicates whether book is available or not

Table 6.1: Books Table

All the above fields, except the primary key, may accept null values.

1. Using SQL Server 2005 and Transact SQL statements, create the above table in a database named **BookParadise**. Add at least seven records to the table.

2. Next, create an indexed view named **BookInfo** on the table which will contain columns BookCode, Title, Author, Edition, and BookStatus. This view will need to check for domain integrity. Use appropriate options to ensure this.

3. Test the view by displaying information from it. Display all the records in the view. Also, display the top 3 records in the view alphabetically sorted by the column Author.

4. Add three more records to the view.

5. Assuming that there is an author named Mary Clark whose books are listed in the **BooksInfo** view, write the statements to replace all occurrences of Mary

	Clark in the column Author with Mary Higgins Clark. 6. Remove all the books from the view whose edition is less than 2. 7. Finally, write the statements to remove the view.