

## Part 1 – Covers material in Chapter 4

### Data files needed:

- HenryBooks.accdb

### Data files to upload to Moodle:

- HenryBooks.accdb
- HenryBooks.docx or HenryBooks.pdf

**Henry Books Case:** In the following exercises you will use the data in the Henry Books database to perform the tasks given. In some instances you will make changes to the database file. In others, you will write SQL commands and turn it in through a Word doc or PDF file, as noted below.

1. In your Word or PDF file, show the SQL code for a view named **vwPenguinBooks** consisting of the book code, book title, book type and book price published by Penguin USA.
2. In your Word or PDF file, show the SQL code for a view named **vwPaperback** that includes the book code, book title, publisher name, branch number, copy number, and price for every book copy that is available in paperback.
3. In your word or PDF file, show the SQL code for a view named **vwBookAuthor** that shows the book code, book title, book type, author number, first name, last name, and sequence number of each book.
4. In the Access database, create the following indexes with the given name:
  - a. BookIndex1 – on the Publisher field in the tblPublisher
  - b. BookIndex2- on the Type field in tblBook.
  - c. BookIndex3 – on the BookCode and Type fields in tblBook and list the book codes in descending order.
5. In the Access database, specify the integrity constraint (validation rule) that the price of any book must be less than 490. Write a proper message for the user if they break this rule.
6. In the Access database, ensure that the following are foreign keys (i.e, specify referential integrity):
  - a. PublisherCode is a foreign key in tblBook
  - b. BranchNum is a foreign key in tblInventory
  - c. AuthorNum is a foreign key in tblWrote
7. In the Access database, add a new character field named Classic to tblBook that is one character in length. Then change the value of Classic to Y for the book titled *The Grapes of Wrath*.
8. In the Access database, change the length of the Title field in tblBook to 60.
9. In your Word or PDF file, write an SQL command that you would use to delete the tblBook table from the HenryBooks database. Do not delete tblBook.