

Lab Activity

Complete the following SQL exercises using the JustLee Books database. Launch Oracle APEX, type in your statement, and execute it. Code and execute each exercise separately. Save both your statement and the results to a Word document. After all queries have been completed, submit the Word document to the appropriate location.

1. Create a new table containing the category code and description for the categories of books in the JustLee Books database. Name the table Category, containing columns CatCode and CatDesc. CatCode should be a maximum of 2 characters, and CatDesc a maximum of 10 characters.
2. Create a new table called Employees, containing four columns: Emp#, LastName, FirstName, and JobClass. Emp# will contain a 5 digit numeric ID. LastName and FirstName should be a maximum of 20 characters. JobClass should be a maximum of 4 characters, but not padded if less than 4.
3. After exercise above is completed, add two columns to the Employees table. EmpDate contains the date of employment for each employee, and should default to the system date. EndDate is used for the employee's termination date.
4. Modify the JobClass column on the Employees table to a maximum of 2 characters.
5. Delete the EndDate column from the Employees table.
6. Rename the Employees table to JLEmps.
7. Create a new table containing these four columns from the existing Books table in the JustLee Books database: ISBN, Cost, Retail and Category. The name of the ISBN column should now be ID, and the other three columns should maintain the same name. Name the new table BookPricing.
8. Mark the Category column of the BookPricing table as unused. Verify that the column is no longer available.
9. Truncate the BookPricing table, and then verify that the table still exists but no longer contains any data.
10. Delete the BookPricing table permanently so that it isn't moved to the recycle bin. Delete the JLEmps table so that it can be restored. Restore the JLEmps table and verify that it's available again.

