

## MSFT 115 Assignment 1: Advanced queries (30%)

### Instructions

Using AP database, write **a single query** for each task specified under Requirements.

### Requirements

1. For each invoice that has PaymentDate (not null), calculate and display how many days before the due date the invoice was paid. More specifically, display invoiceID, invoice number, invoice date, invoice due date, payment date, and calculated column that is the number of days from payment date to due date (this column should have positive values where invoice was paid before due date, and negative if it was paid after due date).  
Display all date values without time component. Make sure all columns have meaningful headers.
2. Using InvoiceLineItems, display invoice ids together with how many lines each invoice has. Include only invoices that have more than one line. Make sure all columns have meaningful headers.
3. Add InvoiceNumber and VendorName to the previous query (you will need to join two more tables).
4. Display account numbers and descriptions of all accounts from GLAccounts table that are NOT referenced by any invoice line item.
5. For each vendor who has invoices display vendor ID, vendor name and the date of the most recent invoice of that vendor. Display all date values without time component. Make sure all columns have meaningful headers.

### Submit

Prepare one Notepad (not Word) file named *LastName\_FirstName\_Lab\_1.txt* that contains question numbers and the text of your query answers. Upload the file to the Assignment 1 on Brightspace before the due time.

### Evaluation

This assessment is graded out of 30 points, where each query is worth 5 points.

Learners may receive partial scores or a zero for unacceptable work.