# Directions

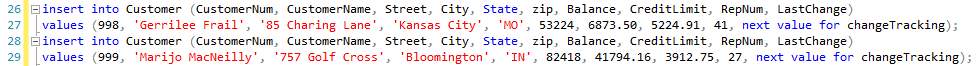
* Complete the following tasks using SQL Server
* Pay attention to the specified database
* Submit the working SQL and proof that the functions work. The task may require additional screenshots, so pay attention.

# Use your premiere database to solve the following

Sequence

1. Use alter table to add a field to each table. Name the field lastChange. Make the field an int  
   A screenshot of a computer

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2. Create an int sequence called changeTracking. Start it at 0 and increment by 1.  
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3. Insert two new records into customer. Use the sequence to generate the lastChange field value.   
   



1. Insert two new records into part. Use the sequence to generate the lastChange field value.   
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2. Screenshot the output of the four records you created in the two tables. Show that the lastChange updated for each row. It is OK if your sequence skips numbers. This is caused by testing the insert and making a mistake.

Functions

1. Create a function that accepts a partnum as a parameter. It then returns the value of inventory (onhand \* price) of the part.  
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2. Call the function you built with partnum BV06. My output is 35,772.75  
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3. Create a function that will calculate a creditlimit for the customer. The function accepts one parameter, credit score. Default the credit score to 500. Based on this table, calculate the credit limit for a customer.  
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|  |  |
| --- | --- |
| Credit Score | Credit Limit returned |
| Less than 550 | 1000 |
| Between 550 and 649 | 3000 |
| Between 650 and 699 | 5000 |
| Between 700 and 749 | 7500 |
| 750 and above | 10000 |

1. Use the function to update the credit limit of one of the customers you entered. Use a credit score of 650. Show both the execution and the proof that the credit limit is now 5000.  
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2. Create a table valued function that accepts a customer number and returns the part num, part description, and quoted price from their orders. Prove it works using customer 148.  
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Bonus

We want to evenly distribute the sales reps between new customers. Create a sequence that will allow this to happen. Then write the inserts for four new customers to prove the sequence works.  
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