ISYS 350, Fall 21, Assignment 5, Due Date: Wednesday, 11/3/21

Part 1: Add two functions to the myFiancialService.py module we created in class (see the source code on slide # 14 and 15 of the ModuleFunctionAndClass PowerPoint):

a. Add a goalSeek function that takes present value, interest rate and target future value as input, and compute and return the number of years to reach the target back to the calling program. You may use the source code on slide #25 of the loop PowerPoint.

b. Add a showDepreciationTable function that take property value and life as inputs and print the double-declining depreciation table. This function does not return any value back to the calling program, simply print the table. You may use the code for assignment 4, part 1 for this assignment.

Create a Python module to import the myFiancialService, and (1) get required inputs and call the goalSeek function to get and print the year to the target. (2) get required inputs and call the showDepreciationTable function to print the table.

Part 2: Write a class named Employee that holds the following data about an employee in attributes: Name, ID Number, Department, Job title. Once you have written the class, write a program that creates three Employee objects to hold the following data:

<table>
<thead>
<tr>
<th>Name</th>
<th>ID Number</th>
<th>Department</th>
<th>Job Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susan Meyers</td>
<td>47899</td>
<td>Accounting</td>
<td>Vice President</td>
</tr>
<tr>
<td>Mark Jones</td>
<td>39119</td>
<td>IT</td>
<td>Programmer</td>
</tr>
<tr>
<td>Joy Rogers</td>
<td>81774</td>
<td>Manufacturing</td>
<td>Engineer</td>
</tr>
</tbody>
</table>

The program should store this data in three Employee objects and then add these three objects to a list named empList. Use a for loop to print the data for each employee as shown exactly in the following sample run:

Sample Run:

Name: Susan Meyers
ID Number: 47899
Department: Accounting
Job Title: Vice President

Name: Mark Jones
ID Number: 39119
Department: IT
Job Title: Programmer

Name: Joy Rogers
ID Number: 81774
Department: Manufacturing
Job Title: Engineer