**ISYS 350, Spring 22, Assignment 5, Due Date: Wednesday, 3/30/22**

**Part 1:** In the Functions PowerPoint, slide# 16 and 17, we create a Python module named: myFinancialSrvice.py with two functions, futureValue and monthlyPayment. In this assignment, you add two more functions to the myFiancialService.py module:

- Add a value-returning function named goalSeek fthat 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 of goalSeek program on slide #26 of the loop PowerPoint.
- Add a void-function named showDepreciationTable 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 of assignment 4, part 1 for this assignment.

**Part 2:** Create a second Python module, name it main.py, that uses the functions in the myFinancialSrvice module. The program should first import the myFiancialService, and then do two things:
(1) Get required inputs and call the goalSeek function to print the year to the target.
(2) Get required inputs and call the showDepreciationTable function to print the table.

Test the goalSeek function with this sample data:

Enter present value: 1000
Enter interest rate: .05
Enter target value: 10000
It takes 48 to reach the target.

And test the showDepreciationTable function with $2000 property value and 10 years life as in assignment 4.

Submit the source code of myFinancialService.py, main.py, and the sample output.