**PROBLEM:**  Create the following equation in Matlab and test it using P = $55,000, i = 0.066, n from 1 to 5

Display the results as a table with headings and columns for n and A.

**SOLUTION:**

Here is my script:

%% Problem 4(Book 2.9)

% Computes the value of function 'A' based on 'i','n','P'

% Clears all windows, commands, and variables

clear all; close all; clc;

% Set the constants and given values

P = 55000; i = 0.066; narray = [1 2 3 4 5];

A(5) = 0;

fprintf('Year \t Annual Payment\n');

for n = 1:5

A(n,1) = P\*i\*(1+i)^n/((1+i)^n-1);

fprintf('%d \t\t %0.2f\n',n,A(n,1));

end

And it’s output is:

