**TEST #06, QUESTION 03 Name: (Ping) Nalongsone Danddank, CSIS 1081, 12/11/2017.**

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| **Script** | **Output** |
| clear  clc    %Calculate and display.  principal = 1000;  rate = 0.0425;  times = 12;  Amount = principal \* (1 + rate/times)^times;  disp('The interest amount is: ');  disp(num2str(Amount));    %Create and display A & B vector.  n=4;  A = zeros(1,n);  for i=1:n  A(1,i)=rand();  end  B = zeros(1,n);  B = A';  disp('Display A time B : ');  disp(A\*B);    %Create and display C & D.  m=3;  C = 4\*ones(m);  disp('a 3X3 matrix C are:');  disp(C);  D = ones(m);  for j=1:m  for k=1:m  D(j,k)= 1/(C(j,k));  end  end  disp('a 3X3 matrix D are:');  disp(D);  disp('a 3X3 matrix C multiplied by D elementwise are:');  disp(C.\*D);    %Create and display sum of C.  sum = 0;  for l=1:m  for p=1:m  sum = sum + C(l,m);  end  end  disp('The sum of C is: ');  disp(sum);    %Create and display loop 0 to 100.  X = 0:10:100;  disp('A loop taht display 0 to 100 : ');  for f=1:length(X)  disp(X(f));  end | The interest amount is:  1043.3377  Display A time B :  1.0334  a 3X3 matrix C are:  4 4 4  4 4 4  4 4 4  a 3X3 matrix D are:  0.2500 0.2500 0.2500  0.2500 0.2500 0.2500  0.2500 0.2500 0.2500  a 3X3 matrix C multiplied by D elementwise are:  1 1 1  1 1 1  1 1 1  The sum of C is:  36  A loop taht display 0 to 100 :  0  10  20  30  40  50  60  70  80  90  100  >> |