```
% Test scripts for Assignment 2
close all;
clear;
clc;

% Test calculateGrades
% Test Case 1
score1 = [50, 80, 54, 85, 73, 67];
curved1 = calculateGrades(score1);
disp('Test 1 - calculateGrades([50, 80, 54, 85, 73, 67])');
disp(curved1);
% Test Case 2
score2 = rand(1,100) * 100;
curved2 = calculateGrades(score2);
disp('Test 2 - calculateGrades(rand(1,100) * 100)');
disp(curved2);

% Test mymat
% Test for n = 2
A2 = mymat(2);
disp('Test - mymat(2)');
disp(A2);

% Test for n = 6
A6 = mymat(6);
disp('Test - mymat(6)');
disp(A6);

% Test for n = 10
A10 = mymat(10);
disp('Test - mymat(10)');
disp(A10);
```

```
Test 1 - calculateGrades([50, 80, 54, 85, 73, 67])
   51.3447   82.1516   55.4523   87.2861   74.9633   68.8020

Test 2 - calculateGrades(rand(1,100) * 100)
  Columns 1 through 7

   60.0588   13.3826   85.0031   66.8813   98.8396   99.3990   90.6849

  Columns 8 through 14

    4.7725    9.7719   45.3900   75.3940   92.9452   57.8906  116.4548

  Columns 15 through 21

  102.0223  137.5688   75.4607   46.1776   15.0016   86.7691  110.6065

  Columns 22 through 28

   60.1393   12.8988   37.8446   21.8225   39.9087   62.5015   74.8655
```

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  Columns 29 through 35

   64.9640  124.3214   73.5744  134.0145   90.5683  136.0129   34.1855

  Columns 36 through 42

   96.0237   41.0533   95.4110   98.7247    9.6564   36.1856   31.8184

  Columns 43 through 49

   94.8465  119.9216   48.9210  110.8504   95.9115    0.9537   85.5210

  Columns 50 through 56

   54.9297  130.0902    0.1635   65.6776   60.2666   65.4599  109.3791

  Columns 57 through 63

   45.7979  111.4497   66.9427    5.0791   24.9779  102.5050   67.2451

  Columns 64 through 70

   21.6897   48.4470   86.2622   27.2319  104.8723   34.4898  130.2938

  Columns 71 through 77

   38.2125  108.7173   26.7940   40.8309   12.9400   81.8340   97.0521

  Columns 78 through 84

   77.6278   60.4626   91.5246   91.9755   96.4348   90.2952  134.2348

  Columns 85 through 91

   29.6732  100.7331   33.5498   16.9568   86.2501   63.9291   65.1488

  Columns 92 through 98

   94.0102  109.3969   49.7384   94.0194   59.1034  119.5718  118.2919

  Columns 99 through 100

   36.4201   87.1245

Test - mymat(2)
     0     0
    11     0

Test - mymat(6)
     0     0     0     0     0     0
    11     0     0     0     0     0
     0    22     0     0     0     0
     0     0    33     0     0     0
     0     0     0    44     0     0
```

```
     0     0     0     0    55     0
```

```
Test - mymat(10)
     0     0     0     0     0     0     0     0     0     0
    11     0     0     0     0     0     0     0     0     0
     0    22     0     0     0     0     0     0     0     0
     0     0    33     0     0     0     0     0     0     0
     0     0     0    44     0     0     0     0     0     0
     0     0     0     0    55     0     0     0     0     0
     0     0     0     0     0    66     0     0     0     0
     0     0     0     0     0     0    77     0     0     0
     0     0     0     0     0     0     0    88     0     0
     0     0     0     0     0     0     0     0    99     0
```

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