A. V. Gerbessiotis
November 2015
Quiz 3(50 points)

CS 101
Fall 2015
15minutes

Name: .....

ID Number (last four digits): ..... (10 points) **Exam Number:** .....

Grade: 1: ... 2: ... 3: ... Total: .....

Solve **ALL the problems** in the space provided

Read the Problems CAREFULLY!

There are 2 (TWO) pages this page included

Problem 1. (10 POINTS)
What does the following program print?

```
>> a=60; b=80;
>> if ( a < 10  & b > 20)
      fprintf('Hi');
   elseif ((a > 10) || (b< 20))
      fprintf('Ho');
   elseif ((a==10) && (b == 10))
      fprintf('He');
   else
      fprintf('Oh');
   end
-------------------------------------------------------------------------------
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  % First line
|H |o |> |> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
-------------------------------------------------------------------------------
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
-------------------------------------------------------------------------------
```

Problem 2. (10 POINTS)
What does the following MATLAB program print?

```
 A= [ 17 13 5 15 14 16 ];                                  %
 n= length(A);                                             %
 for k = 1:n                                               %
  switch mod(A(k),7)                                       %
    case 0                                                 %
     fprintf('and ');                                      %
    case 1                                                 %
     fprintf('you ');                                      %
    case 2                                                 %
     fprintf('me?');                                       %
    case 3                                                 %
     fprintf('three ');                                    %
    case 4                                                 %
     fprintf('two');                                       %
    case 5                                                 %
     fprintf('\n');                                        %
    otherwise                                              %
     fprintf('more weeks');                                %
   end                                                     %
  end                                                      %

-------------------------------------------------------------------------------
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  % First line
| t| h| r| e| e|  | m| o| r| e|  | w| e| e| k| s|  |  |  |  |  |  |  |  |  |  |
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| y| o| u|  | a| n| d|  | m| e| ?|> |> |  |  |  |  |  |  |  |  |  |  |  |  |  |
-------------------------------------------------------------------------------
```

Problem 3. (20 POINTS)
What does the following program print?

```
 val  = 0  ;
 for ii=1:2:10             % WHAT is the value of val that is getting printed?
    if ii>5
      val = val + 5 ;
    else
      val = val - ii;
    end
  end
 disp(val);                % Output for disp(val)   is   1
```