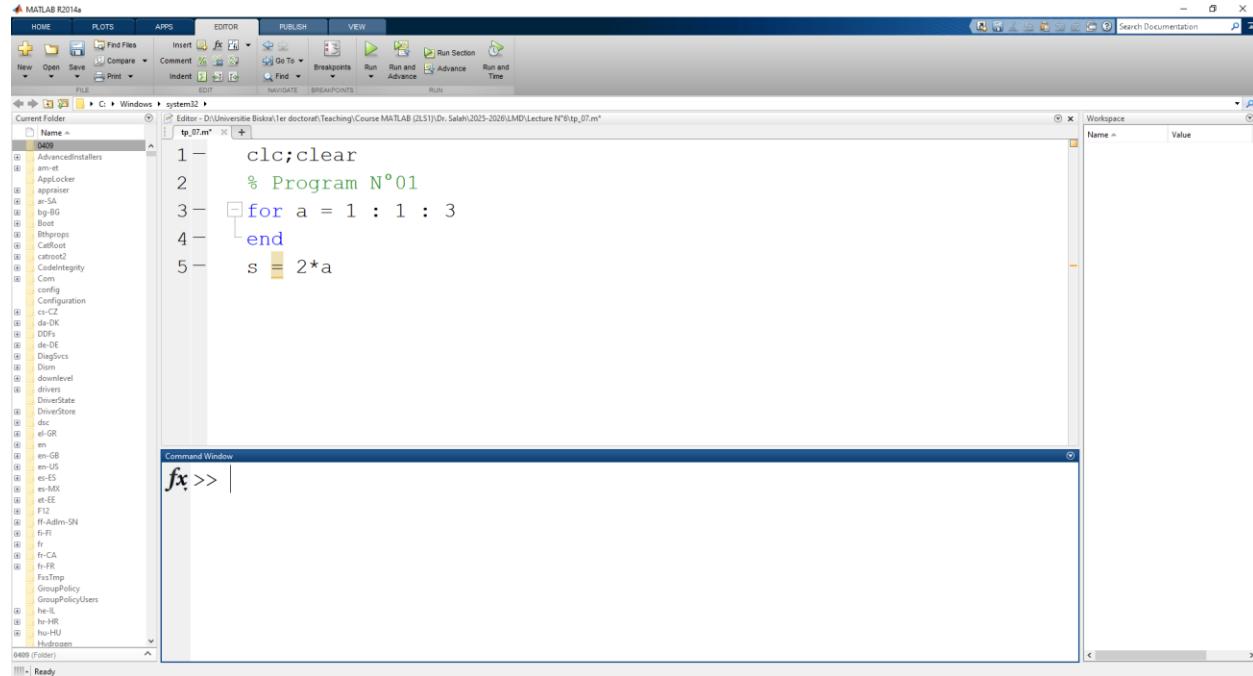




Application

What will be the result of the following programs whose written by MATLAB is executed?



The screenshot shows the MATLAB R2014a interface. The Editor window displays the following MATLAB code:

```
1 - clc;clear
2 - % Program N°01
3 - for a = 1 : 1 : 3
4 - end
5 - s = 2*a
```

The Command Window shows the prompt `fx >>`. The Workspace browser on the left lists various system files and folders, with `0409` highlighted.



MATLAB R2014a

```

1- clc;clear
2- % Program N°02
3- s = 2*a
4- for a = 1 : 1 : 3
5- end
6-

```

Command Window

fx >>

MATLAB R2014a

```

1- clc;clear
2- % Program N°03
3- s = 1 ; n = 3 ;
4- for a = 1 : n
5- s = s*a
6- end
7- disp(s)
8-

```

Command Window

fx >>



The screenshot shows the MATLAB R2014a interface. The top menu bar includes HOME, PLOTS, APPS, EDITOR, PUBLISH, and VIEW. The EDITOR tab is selected, showing a script named 'tp_07.m' with the following code:

```
1 clc;clear
2 % Program N°04
3 for a = [1 4 9 16]
4     b = sqrt(a) ;
5     c = a/sqrt(a) ;
6     disp([a b c])
7 end
```

Below the editor is a Command Window with the text 'fx >>'. The left sidebar shows a 'Current Folder' browser with a tree view of files and folders, including '0409' (selected) and '0409 (Folder)'. The right sidebar shows a 'Workspace' browser with a table of variables. The status bar at the bottom indicates 'script' and 'Ln 7 Col 5'.