



Application

1. Using *for-end* loop, create or write a program in script/editor that allow to calculate $z = \sqrt[3]{r}$, where r varied from 1 to 100.
2. What will be the result of the following program whose written by MATLAB

<pre>Editor - Untitled* Untitled* x + 1 clc 2 clear 3 a = [1 8 -4 6] 4 b = [3 -5 3 1] 5 for x = 1 : 4 6 ad = a(y) - b(y) 7 end 8</pre>	<pre>Editor - Untitled* Untitled* x + 1 clc 2 clear 3 n = 4 4 x = 1 5 for r = 1 : n 6 x = x*r 7 end 8</pre>
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4. Using *for-end* loop, create or write a program in script/editor that allow to calculate the sum of three vectors already given by MATLAB

$$a = \{4 \ 5 \ -3 \ 2 \ 8\}$$

$$b = \{2 \ 1 \ 0 \ 3 \ 7\}$$

$$c = \{11 \ 8 \ 5 \ 2 \ -8\}$$