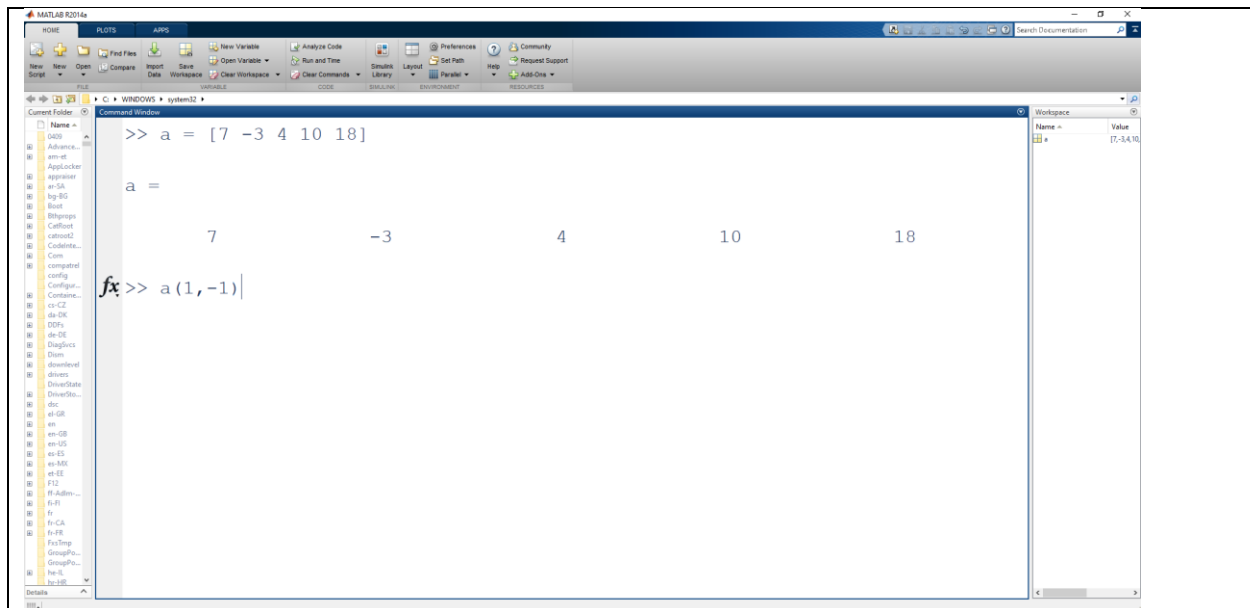


# Pre-test N°03

## Vectors in MATLAB

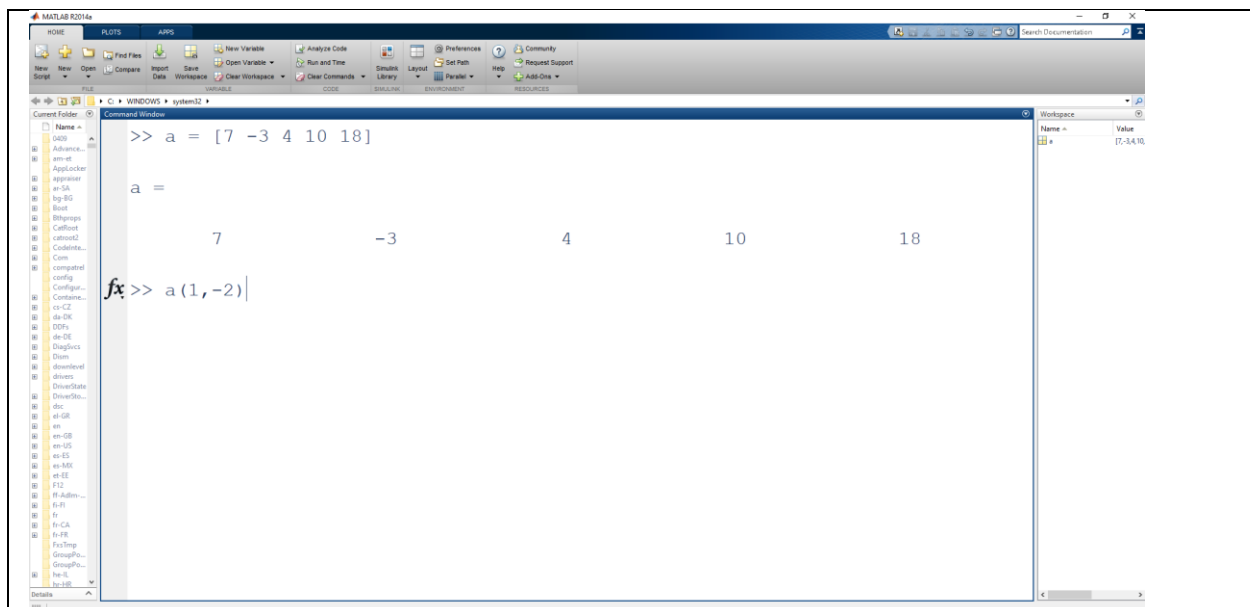


What will be the result of the following commands written in MATLAB



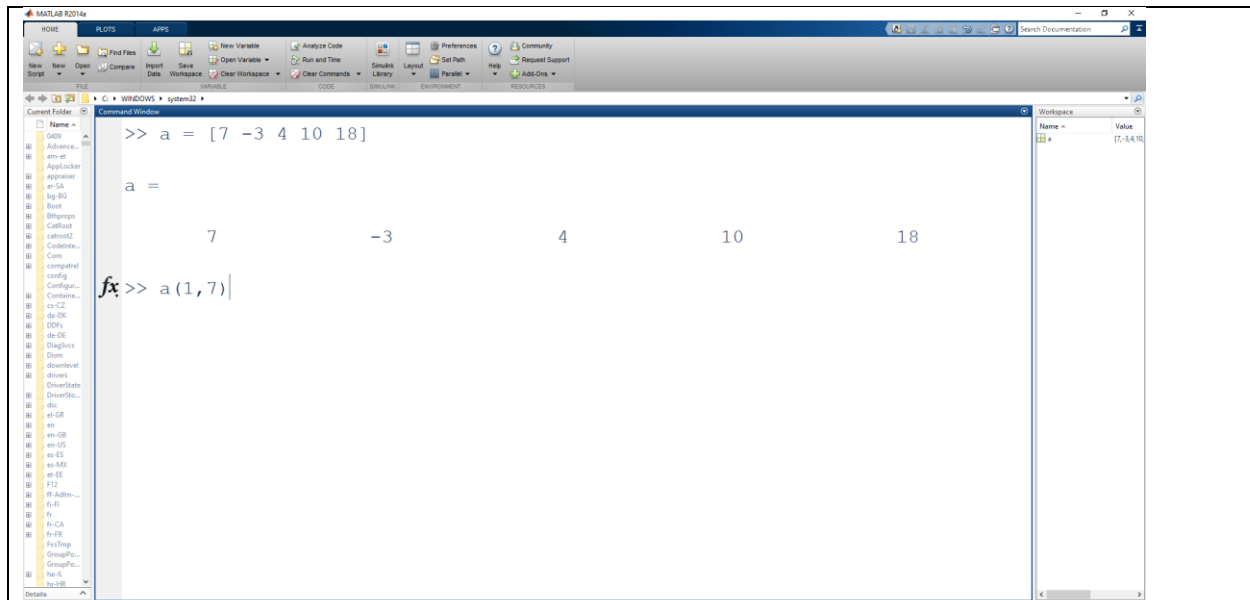
```
>> a = [7 -3 4 10 18]
a =
     7     -3     4    10    18
fx>> a(1,-1)|
```

Fig 1 . Program N°1



```
>> a = [7 -3 4 10 18]
a =
     7     -3     4    10    18
fx>> a(1,-2)|
```

Fig 2 . Program N°2



The screenshot shows the MATLAB R2014a Command Window. The Command Window contains the following code:

```
>> a = [7 -3 4 10 18]

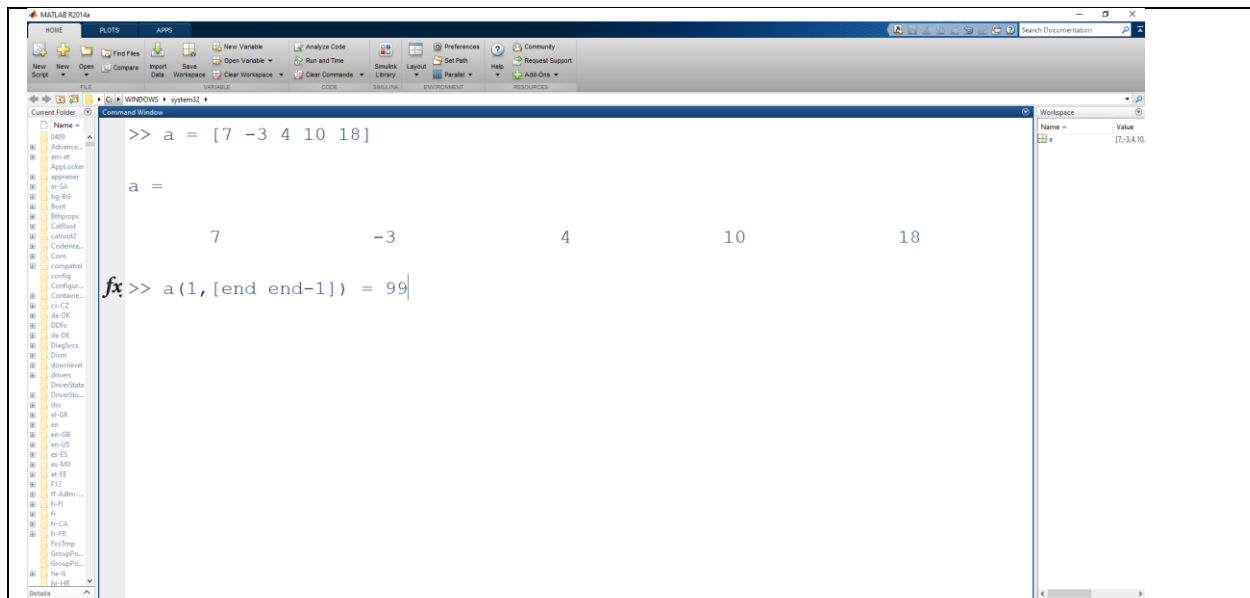
a =

     7     -3     4    10    18

fx>> a(1,7)|
```

The Workspace window on the right shows a variable 'a' with a value of [7 -3 4 10 18].

Fig 3 . Program N°3



The screenshot shows the MATLAB R2014a Command Window. The Command Window contains the following code:

```
>> a = [7 -3 4 10 18]

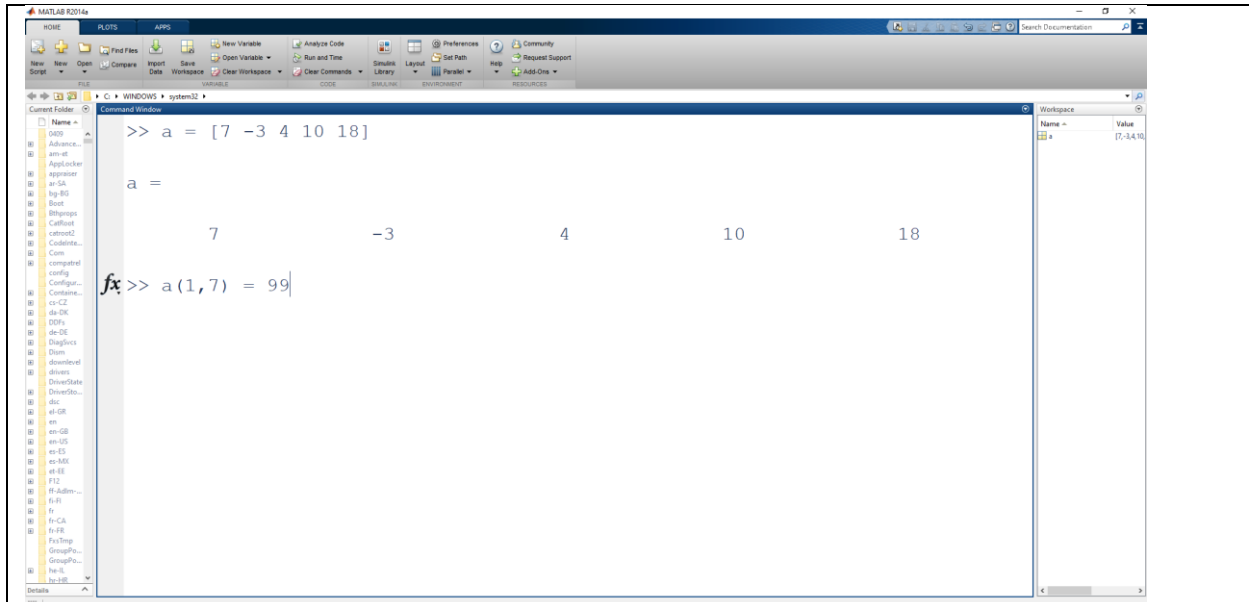
a =

     7     -3     4    10    18

fx>> a(1,[end end-1]) = 99|
```

The Workspace window on the right shows a variable 'a' with a value of [7 -3 4 10 18].

Fig 4 . Program N°4



```

>> a = [7 -3 4 10 18]

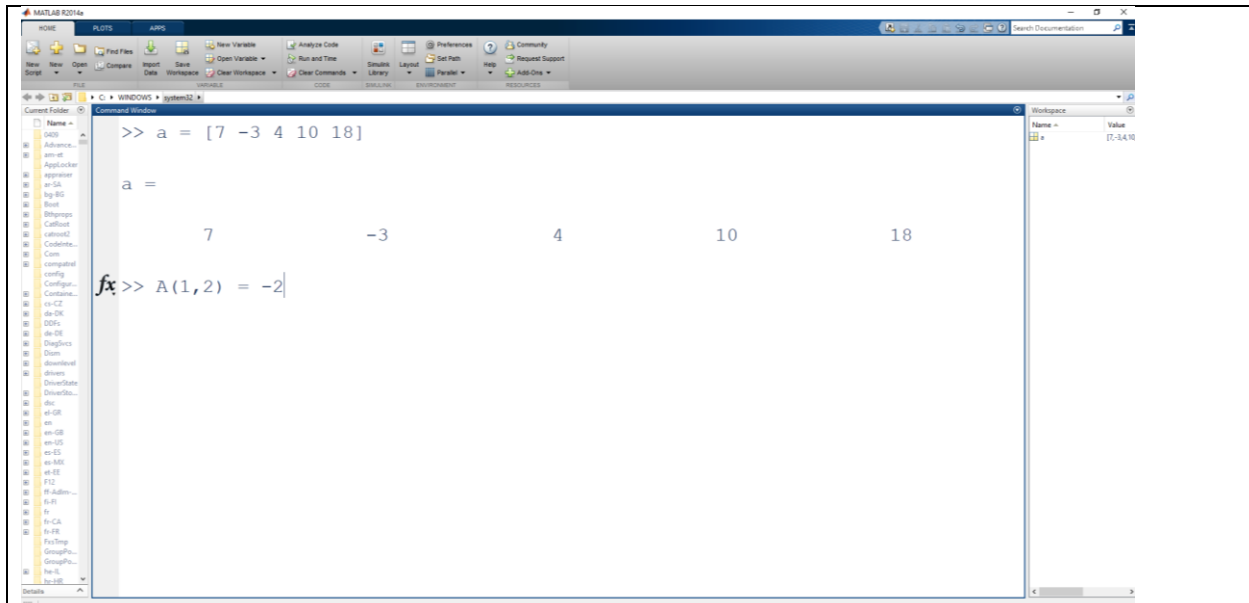
a =

     7     -3      4     10     18

fx>> a(1,7) = 99
    
```

The Command Window shows the creation of a 1x5 array 'a' with values [7, -3, 4, 10, 18]. The variable 'a' is displayed in the Workspace. The command 'a(1,7) = 99' is entered, but the array 'a' only has 5 elements, so this command will result in an error.

Fig 5 . Program N°5



```

>> a = [7 -3 4 10 18]

a =

     7     -3      4     10     18

fx>> A(1,2) = -2
    
```

The Command Window shows the creation of a 1x5 array 'a' with values [7, -3, 4, 10, 18]. The variable 'a' is displayed in the Workspace. The command 'A(1,2) = -2' is entered, but the variable 'A' does not exist, so this command will result in an error.

Fig 6 . Program N°6