

## Answer on Question #60418 - Programming & Computer Science - MATLAB

### Question:

Write any two programs of MATLAB.

### Solution:

1) The code for the program, which performs the calculation  $a^2+b^2$ :

```
clear
clc

disp('This program performs the calculation a^2+b^2');

%asking for a
prompt = 'Please, enter a: ';
a = input(prompt);

%asking for b
prompt = 'Please, enter b: ';
b = input(prompt);

disp(['The result is: ' num2str(a^2+b^2)]);
```

2) The code for the program, which greets the customer:

```
clear
clc

%asking for name
prompt = 'Please, enter you name: ';
name = input(prompt,'s');

disp(['Hi, ' name '! It is nice to see you!']);
```

### Results:

1) This program performs the calculation  $a^2+b^2$

Please, enter a: 2

Please, enter b: 3

The result is: 13

2) Please, enter you name: Peter

Hi, Peter! It is nice to see you!