```
A=[7,-1,2;1,3,-4;-3,2,10]  % Define the coefficient matrix A
```

```
A = 3×3
     7    -1     2
     1     3    -4
    -3     2    10
```

```
B=[10;-15;8] % Define the constant vector B
```

```
B = 3×1
    10
   -15
     8
```

```
tic;    % Start timing
x=A\B   % Solve A*x = B
```

```
x = 3×1
    0.5385
   -3.0769
    1.5769
```

```
toc;    % Stop timing
```

```
Elapsed time is 0.005071 seconds.
```

```
tic;    % Start timing
X=inv (A)*B     % Solve x = inv(A) * B
```

```
X = 3×1
    0.5385
   -3.0769
    1.5769
```

```
toc;    % Stop timing
```

```
Elapsed time is 0.003181 seconds.
```

```

```

```
X = [1 3 8 4 5 4 7 2 1 9 8 7 4 9 6]; % Define the data array
mean(X)     % Compute the sample mean
```

```
ans =
5.2000
```

```
var(X)      % Compute the sample variance
```

```
ans =
7.6000
```

```
% To be honest, MATLAB is far more interesting than C language
% Moreover, it is very straight forward!!
```