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LAB 01

Q1 The distribution can be checked by running the script present in the same folder.
Picture present below highlights the results that we obtained for count up to 10.

```
The final array for 10 values is
      [,1] [,2] [,3]
[1,]    1    1    1
[2,]    3    1    1
[3,]    1    1    2
[4,]    1    3    3
[5,]    2    1    2
[6,]    1    2    3
[7,]    1    1    2
[8,]    1    2    1
[9,]    1    2    1
[10,]   1    1    1
```

The error that we obtained is as follows:

```
The final array for error in 10 values is
      [,1] [,2] [,3]
[1,] 0.1666667 0.5 0.6470588
The final array for error in 100 values is
      [,1] [,2] [,3]
[1,] 0.08536585 0.494382 0.6407186
The final array for error in 200 values is
      [,1] [,2] [,3]
[1,] 0.09638554 0.4674556 0.6460177
The final array for error in 500 values is
      [,1] [,2] [,3]
[1,] 0.1071429 0.4661922 0.6470588
The final array for error in 1000 values is
      [,1] [,2] [,3]
[1,] 0.1192014 0.4696523 0.6555683
```