MA-323 Monte Carlo Simulation

Assignment-6

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Qus1-

The exact value of I id 2.

value of I_m = 2.039971956139841
The 95 percent confidence interval for the I is (1.7240372147227339 , 2.3559066975569483)

value of I_m = 1.9850202200984015
The 95 percent confidence interval for the I is (1.8889191148794167 , 2.0811213253173864)

value of I_m = 2.000345914232582
The 95 percent confidence interval for the I is (1.969695622608987 , 2.030996205856177)

value of I_m = 2.002117864018512

The 95 percent confidence interval for the I is (1.9924214739016122 , 2.0118142541354116)
The screenshot of the output is as below -

```
PS C:\Users\User\Desktop\monte assignment 6> & C:/Users/User/AppData/Local/Programs/Python/Pyt
The exact value of I id 2.
value of I_m = 2.039971956139841
The  95 percent confidence interval for the I is (1.7240372147227339 , 2.3559066975569483)
value of I_m = 1.9850202200984015
The  95 percent confidence interval for the I is (1.8889191148794167 , 2.0811213253173864)
value of I_m = 2.000345914232582
The  95 percent confidence interval for the I is (1.969695622608987 , 2.030996205856177)
value of I_m = 2.002117864018512
The  95 percent confidence interval for the I is (1.9924214739016122 , 2.0118142541354116)
PS C:\Users\User\Desktop\monte assignment 6>
```