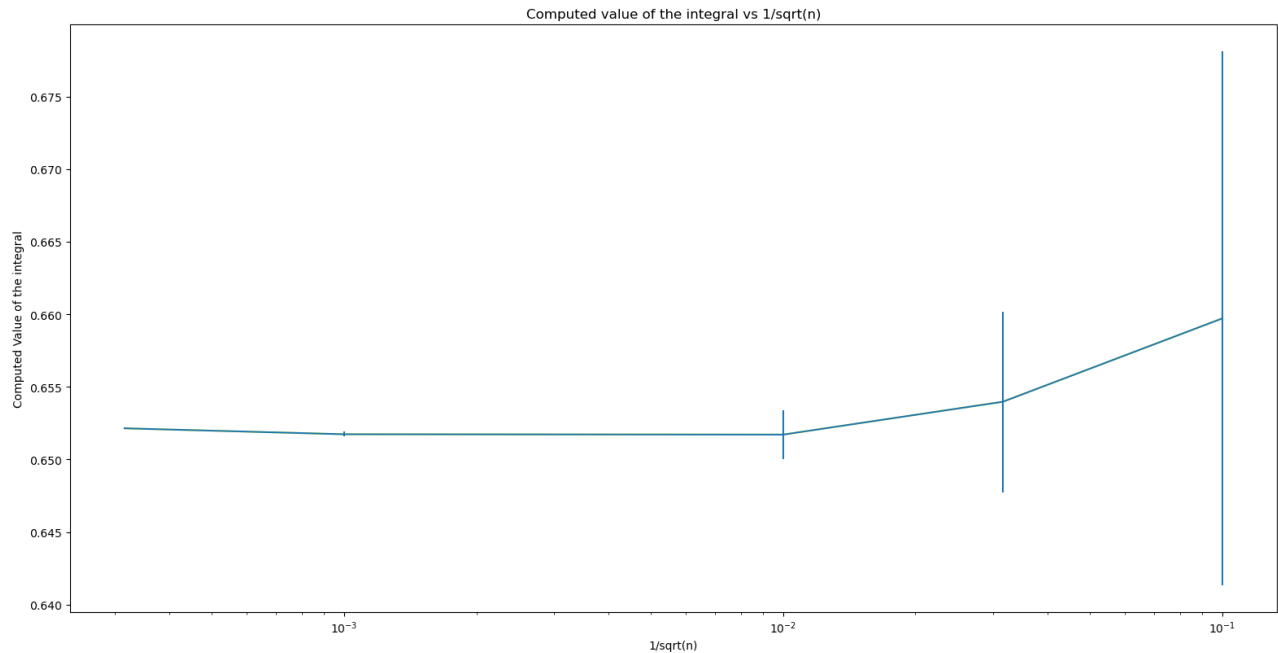


Output

```
(base) [admin@x-ray-187 In Class 6]$ mpiexec -n 4 python3 mul
integral from process 0 is 0.6514824796889401
Total integral is 0.6540920950570621
integral from process 1 is 0.6536310530791838
integral from process 2 is 0.6575473992115294
integral from process 3 is 0.6537074482485952
(base) [admin@x-ray-187 In Class 6]$
```



```
With 10000 random points, the computed value of the integral and the error are, respectively: (0.6494259271194485, 0.00164952366548301)
```