

Code to test the time:

```
function timingTest(n)
    A = rand(n, n)
    b = rand(n)
    startTime= time()
    x = A\b
    endTime=time()
    timeTaken= endTime-startTime
    println("Time Taken :", timeTaken)
    println("solution x is : ",x)
end
```

```

| julia timingTest(1000)
| Time Taken : 0.020554665704345783
| solution x is : [-1.36506748357673, -0.0362157186202261, -1.1851874051484594, -1.2145645471553864, -0.5818054944857604, 0.03524641123140971, -0.8077726877709414, 2.040395865913884, 0.922845619758288, 2.7681687980146095, -2.281974956267
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