```
1 # Practical-1: Birthday Paradox
 2
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 6
 7 def birthdayParadox(n):
 8
     probability = 1
9
     for i in range(n):
10
       probability *= (365 - i) / 365
11
     commonProbability = 1 - probability
12
13
     return commonProbability
14
15 numPeople = int(input("-->> Enter the Number of People in the Group: "))
16
17 result = birthdayParadox(numPeople)
print("\n--> Probability of at least Two People Sharing a Birthday in the Group of {} Individuals: {:.8f} or
   {:.4f}%\n".format(numPeople, result, (result * 100)))
19
20 print("\n-*-*-*-*-END OF PRACTICAL 1-*-*-*-\n")
```