

TRINAYAN DAS  
180123051

```
In [1]: import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
c=[]
val=1
for i in range(10000):
    if i%2==1:
        c.append(i)

sample=np.random.uniform(0,1,100000)
cdf=[]
k=0
cdf.append(0)
for i in range(5000):
    k=k+1
    cdf.append(k/5000)
x=[]
for u in sample:
    for r in range(5000):
        if u>cdf[r] and u<=cdf[r+1]:
            x.append(c[r])
            break

print(x)

plt.hist(x,bins=50)
plt.show()
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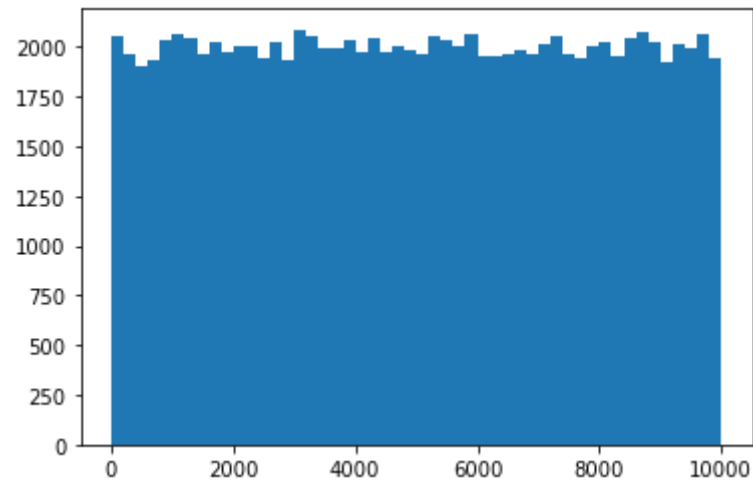
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