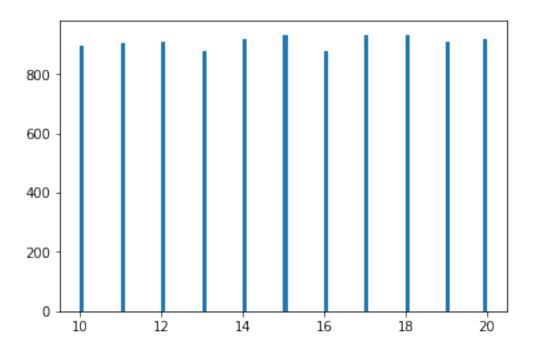
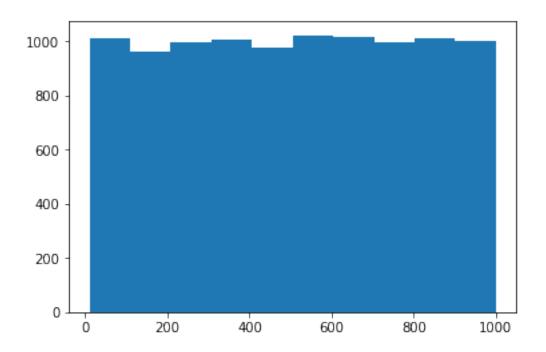
## February 20, 2020

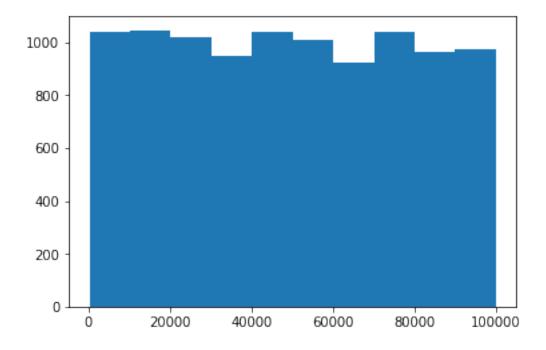
```
In [42]: import matplotlib.pyplot as plt
         import pandas
         import numpy as np
In [43]: f = open("c_incunabula.txt", "r")
In [44]: b, l, d = map(int, f.readline().split())
In [45]: book_scores = map(int, f.readline().split())
In [46]: lib_books_count = []
         lib_days_signup = []
         lib_speed = []
In [47]: book_count_in_libs = dict()
In [48]: # for bb in range(b):
              book\_count\_in\_libs[bb] = 0
In [49]: for i in range(1):
             n, t, m = map(int, f.readline().split())
             lib_books_count.append(n)
             lib_days_signup.append(t)
             lib_speed.append(m)
             books = map(int, f.readline().split())
             for book in books:
                 if book not in book_count_in_libs:
                     book_count_in_libs[book] = 0
                 book_count_in_libs[book] += 1
In [50]: books_counts = book_count_in_libs.values()
In [51]: print("Books", b)
        print("Libraries", 1)
         print("Days", d)
```

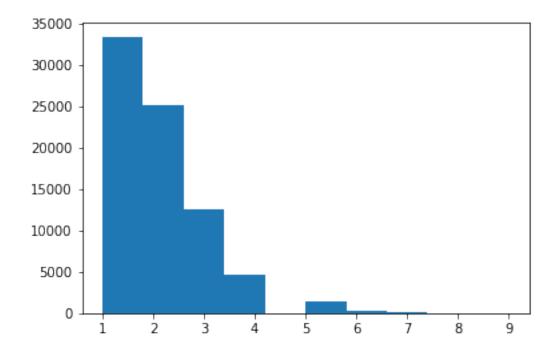
('Books', 100000)



```
In [53]: print("Signup duration stats")
    _ = plt.hist(lib_days_signup, 10)
        print(np.mean(lib_days_signup), np.min(lib_days_signup), np.max(lib_days_signup), np.
Signup duration stats
(506.0797, 10, 1000, 285.94810953722003)
```







In []:

In []: