1. قم بعمل قائمة تحتوي على ألف رقم عشوائي بين 1 و1000 ثم قم بحساب عدد الأرقام المميزة دال هذه القائمة ثم قم بطباعة متوسط الأرقام المميزة و متوسط القائمة.

Make a list that generates 1000 random number between 1 and 1000 then calculate the number of unique numbers and print them, then print the average of the list and the average of the unique numbers.

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة الخطوات التالية

```
# 1. Write a program that generates a list of 1000 random
numbers between 1 and 1000.

# Then print the number of unique numbers and the Average of
the list and the unique numbers.

# Create a list of 1000 random numbers between 1 and 1000

# get the unique numbers from the list

# calculate the average of the list and the unique numbers

# print the unique numbers

# print the Average of the list and the unique numbers
```

{//}

```python
# 1. Write a program that generates a list of 1000 random
numbers between 1 and 1000.
# Then print the number of unique numbers and the Average of
the list and the unique numbers.

import random

# Create a list of 1000 random numbers between 1 and 1000
lst = []
for i in range(1000):
    lst.append(random.randint(1,1000))

# get the unique numbers from the list
unique_nums = set(lst)

# calculate the average of the list and the unique numbers
average_lst = sum(lst)/len(lst)
average_unique = sum(unique_nums)/len(unique_nums)

# print the unique numbers
print(f"Number of unique numbers is: {len(unique_nums)}")

# print the Average of the list and the unique numbers
print(f"Average of the list is: {average_lst:.2f}")
print(f"Average of the unique numbers is:
{average_unique:.2f}")
```