**Random Module**

**random( ):**

import random  
value=random.random()  
print(value)

**output:**

0.44303419746115436 (print number between 0 to 1)

**uniform( ):**

import random  
value=random.uniform(1,10)  
print(value)

**output:**

8.737161836634005 (print number between 1 to 10)

**randint( ):**

import random  
value=random.randint(1,6)  
print(value)

**output:**

4

**randrange( ):**

import random  
value=random.randrange(1,10,2)  
print(value)

**output:**

7

**choice( ):**

import random  
greetings=['Hello',"hey","Hi","Howdy","Hola"]  
value=random.choice(greetings)  
print(value + " Hari")

**output:**

Hi Hari

**choices( ):**

import random  
colors=["red","blue","green","violet"]  
value=random.choices(colors, k=10)  
print(value)

**output:**

['blue', 'green', 'green', 'blue', 'violet', 'green', 'green', 'violet', 'green', 'violet']

**weights:**

import random  
colors=["red","blue","green","violet"]  
value=random.choices(colors, weights=[6,4,5,7], k=10)  
print(value)

**output:**

['violet', 'red', 'blue', 'blue', 'red', 'violet', 'green', 'violet', 'green', 'violet']

**shuffle():**

import random  
deck=list(range(1,53))  
random.shuffle(deck)  
print(deck)

**output:**

[49, 33, 25, 18, 4, 38, 34, 12, 47, 7, 40, 3, 48, 1, 2, 22, 26, 11, 36, 27, 42, 50, 6, 10, 29, 23, 51, 30, 45, 43, 14, 41, 21, 13, 39, 44, 8, 20, 35, 24, 19, 28, 16, 17, 31, 46, 52, 15, 37, 9, 5, 32]

**sample( ):**

import random  
deck=list(range(1,53))  
hand=random.sample(deck,k=7)  
print(hand)

**output:**

[46, 6, 16, 14, 21, 35, 18]

import random  
pwd = "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890`~!@#$%^&\*()-\_+=[]{};',./:<>?|\ "  
l = int(input())  
n = "".join(random.sample(pwd,l))  
print(n)

**output:**

10

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