random module

This module creates random digits eg, a throw of dices , captch codes

randrange()

This function generates an integer b/w given lower and upper limit.

In [1]:

```
import random
```

In [2]:

```
random.randrange(5)
```

Out[2]:

```
2
```

In [3]:

```
random.randrange(5)
```

Out[3]:

```
4
```

In [4]:

```
random.randrange(29)
```

Out[4]:

```
9
```

In [5]:

```
random.randrange(30,40) # it can include 30 but cant include 40.
```

Out[5]:

```
30
```

random()

it generates floating value b\w 0 and 1 (including 0 and excuding 1), it does not require any arguments.

In [6]:

```
random.random()
```

Out[6]:

```
0.9495471043409462
```

In [7]:

```
random.random()
```

Out[7]:

```
0.8223244801728292
```

In [8]:

```
random.random() * 100
```

Out[8]:

```
72.19698272856552
```

In [9]:

```
random.random() * 100
```

Out[9]:

```
22.514537575521267
```

randint()

this function returns any integer number between the two numbers, including both limits

In [10]:

```
random.randint(5,10)
```

Out[10]:

```
6
```

In [11]:

```
random.randint(5,10)
```

Out[11]:

```
9
```

In [12]:

```
random.randint(5,10)
```

Out[12]:

```
6
```

In [13]:

```
random.randint(5,10)
```

Out[13]:

```
8
```

In [14]:

```
random.randint(5,10)
```

Out[14]:

```
8
```

uniform()

this method return any floating point number b/w 2 given numbers. it will include lower limit but exclude upper limit.

In [15]:

```
random.uniform(5,10)
```

Out[15]:

```
9.803672574778016
```

In [16]:

```
random.uniform(5,6)
```

Out[16]:

```
5.349607849068488
```

choice()

This method is used for random selection from list,tuple or string.

In [17]:

```
lst = ["aadil","is","a","good","person"]
random.choice(lst)
```

Out[17]:

```
'person'
```

In [18]:

```
random.choice(lst)
```

Out[18]:

```
'aadil'
```

In [19]:

```
random.choice(lst)
```

Out[19]:

```
'person'
```

In [20]:

```
random.choice(lst)
```

Out[20]:

```
'good'
```

In [21]:

```
print(f"my fav lang is : {random.choice(lst)}")
```

```
my fav lang is : person
```

In [22]:

```
print(f"my fav word is : {random.choice(lst)}")
```

```
my fav word is : good
```

In [23]:

```
tple = ("aadil","is","a","good","person")
```

In [24]:

```
print(f"my fav lang is : {random.choice(tple)}")
```

```
my fav lang is : a
```

In [25]:

```
str = "Aadil"
print(f"{random.choice(str)}")
```

```
l
```

In [26]:

```
print(f"{random.choice(str)}")
```

```
A
```

In [27]:

```
print(f"{random.choice(str)}")
```

```
d
```

In [28]:

```
lst = ["aadil","is","a","good","person"]
choice = random.choice(lst)
```

In [29]:

```
choice
```

Out[29]:

```
'is'
```

shuffle()

This method can shuffle the items of a given lst.
yeh sidhe original list ko change kr deta hai.

In [30]:

```
lst1 = [1,2,3,4,5,5,66,77,88,99]
```

In [31]:

```
print(random.shuffle(lst1))
```

```
None
```

In [32]:

```
lst
```

Out[32]:

```
['aadil', 'is', 'a', 'good', 'person']
```

In [33]:

```
random.shuffle(lst)
```

In [34]:

```
lst1
```

Out[34]:

```
[3, 77, 66, 1, 99, 2, 5, 88, 5, 4]
```

In [35]:

```
lst
```

Out[35]:

```
['aadil', 'good', 'a', 'is', 'person']
```

In [36]:

```
random.shuffle(lst)
```

In [37]:

```
lst
```

Out[37]:

```
['aadil', 'a', 'person', 'good', 'is']
```