In [ ]:
```
1. randint
2. random
3. choice
     list=[1,2,3,4,5]
    random.choice(list)
4. sample
5. rand range

math:

1. sqrt
2.pi
3.ceil
      similar to round
4.e
5.pow
6.sin

time:
1.sleep
2.start=time.time()
   write some codes print some statements
3.end=time.time()
4.print(end-start)
```

In [1]:
```
import random
```

In [11]:
```
a= eval(input('Please Enter First value in the range'))
b= eval(input('Please Enter second value in the range'))
r1 =random.randint(a,b)
print(f'The random value between {a} & {b} is {r1}')
```

```
The random value between 12 & 15 is 13
```

In [17]:
```
random =random.random()
print(f'The random value in the interval [0, 1) is {random}')
```

```
The random value in the interval [0, 1) is 0.8506903982605464
```

In [27]:
```
import random
lst =random.sample(range(100), 30)
print(f'30 Sample Values in the rangge(100) are {lst}')
```

```
30 Sample Values in the rangge(100) are [89, 67, 42, 25, 8, 57, 98, 13, 51, 86, 81,
65, 48, 64, 78, 2, 21, 15, 62, 70, 88, 75, 33, 30, 63, 54, 47, 20, 52, 36]
```

In [57]:
```
import random
random.randrange(1,30,step=2)
```

Out[57]: 29

In [61]:
```
list1=[1,2,3,4,5]
random.choice(list1)
```

Out[61]: 5

In [ ]:
```
1. sqrt
2.pi
3.ceil
      similar to round
4.e
5.pow
6.c
```

In [79]:
```
import math
print(int(math.sqrt(5)))
print(math.pi)
b=3.56
print(math.ceil(b))
print(math.floor(b))
print(math.e)
print(math.pow(5,2))
print(math.sin(0))
```

```
2
3.141592653589793
4
3
2.718281828459045
25.0
0.0
```

In [ ]:
```
time:
1.sleep
2.start=time.time()
   write some codes print some statements
3.end=time.time()
4.print(end-start)
```

In [87]:
```
import time
start = time.time()
a=10
b=30
c=45
ans1=(a+b+c)/2
ans2=math.pow(a,b)
print(ans1)
print(ans2)
end= time.time()
print(end-start)
```

```
42.5
1e+30
0.001012563705444336
```