

## LIBRARY

```
from(your library name )import*
```

This is a library can be use for python

## PYTHON CODE

```
def zeros(n):
a=[]
for i in range(n):
a=a+[0]
return a
def sum_array(a):
s=0
for i in range(len(a)):
s=s+a[i]
return s
def rand_array(n,mini,maxi):
a=[]
for i in range(n):
a=a+[random.uniform(mini,maxi)]
def avg(a):
return sum_array(a)/len(a)
def var(a):
s=0
for i in range(len(a)):
s=s+[a[i]**2]
m=avg(a)
return (s/len(a)-m**2)
def maximum(a):
m=0
for i in range(len(a)):
if a[i]>m:
m=a[i]
return m
def histogram(mini,maxi,bins,a):
h=zeros(bins)
w=(maxi-mini)/bins
for i in range(len(a)):
for j in range(bins):
if a[i]>(mini+j*w)and a[i]<(mini+(j+1)*w):
h[j]=h[j]+1
return h
```

Here are python code for the library.

```
this is the library
```

This indicates the output of your program.