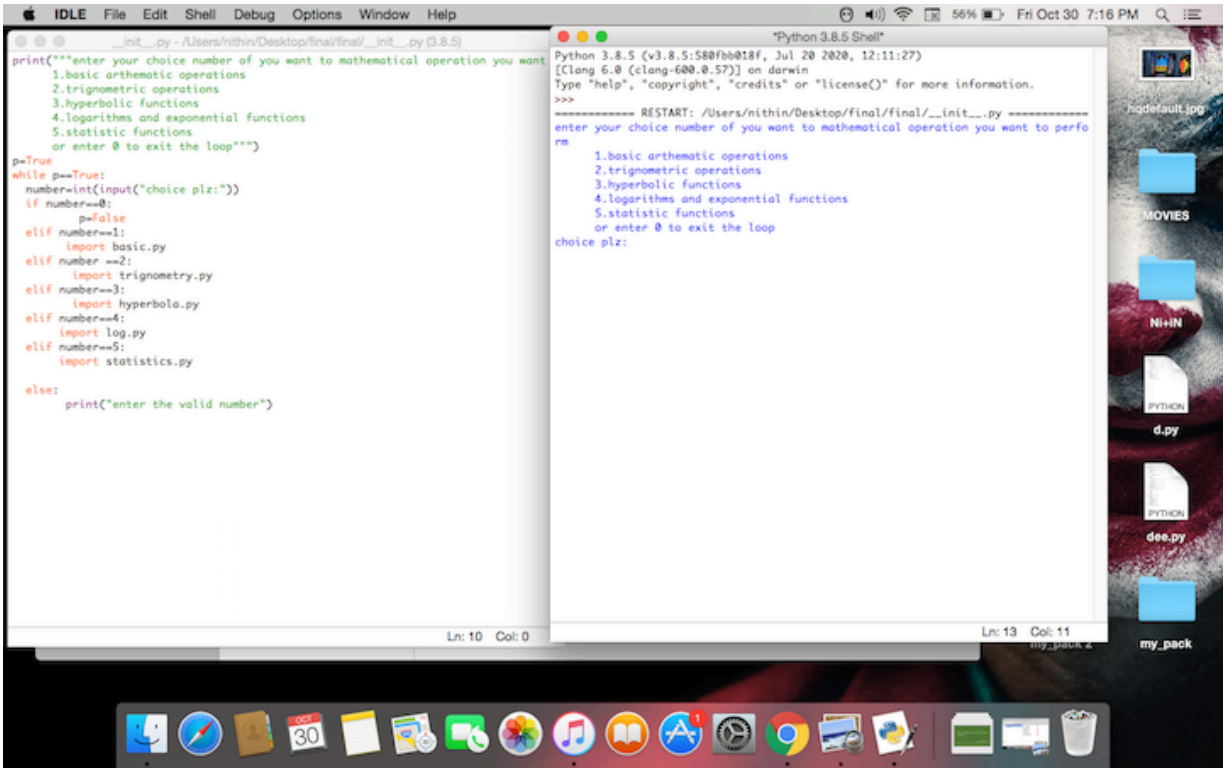
__INIT__.PY MODULE

```
print("""enter your choice number of you want to mathematical operation you want to
perform
      1.basic arithematic operations
      2. trignometric operations
      3.hyperbolic functions
      4.logarithms and exponential functions
      5.statistic functions
      or enter 0 to exit the loop""")
p=True
while p==True:
  number=int(input("choice please:"))
  if number==0:
          p=False
  elif number==1:
        import  basic.py
  elif number ==2:
         import trignometry.py
  elif number==3:
         import  hyperbola.py
  elif number==4:
       import log.py
  elif number==5:
       import  statistics.py

  else:
        print("enter the valid number")
```


IDLE File Edit Shell Debug Options Window Help
Fri Oct 30 7:16 PM
__init__.py - /Users/nithin/Desktop/final/final/__init__.py (3.8.5)
print("""enter your choice number of you want to mathematical operation you want
1.basic arthematic operations
2.trignometric operations
3.hyperbolic functions
4.logarithms and exponential functions
5.statistic functions
or enter 0 to exit the loop""")
p=True
while p==True:
number=int(input("choice plz:"))
if number==0:
p=False
elif number==1:
import basic.py
elif number ==2:
import trignometry.py
elif number==3:
import hyperbola.py
elif number==4:
import log.py
elif number==5:
import statistics.py
else:
print("enter the valid number")
Ln: 10 Col: 0
Python 3.8.5 Shell
Python 3.8.5 (v3.8.5:580fbb018f, Jul 20 2020, 12:11:27)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/nithin/Desktop/final/final/__init__.py ==========
enter your choice number of you want to mathematical operation you want to perfo
rm
1.basic arthematic operations
2.trignometric operations
3.hyperbolic functions
4.logarithms and exponential functions
5.statistic functions
or enter 0 to exit the loop
choice plz:
Ln: 13 Col: 11
hqdefault.jpg
MOVIES
NI+IN
d.py
dee.py
my_pack

BASICS MODULE

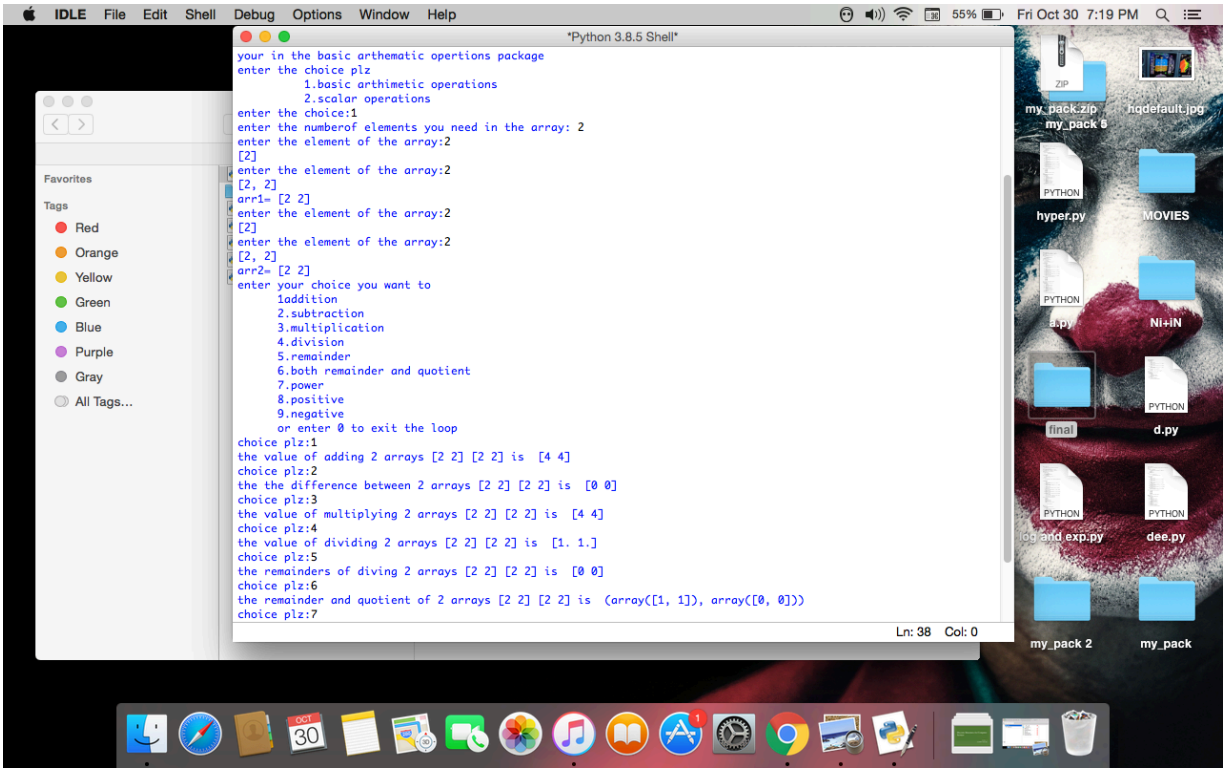
```
import  numpy as  np
print("your in the basic  artihematic  operations package")
print("""enter the choice please
          1.basic  arithimetic operations
          2.scalar operations""")
choice=int(input("enter the choice:"))
if choice==1:
    count=0
    x=2
    num=int(input("enter the number of elements you need in the array: "))
    for k in range(x):
      a=[]
      if num>0:
         for i in range(num):
           n=int(input("enter the element of the array:"))
           a.append(n)
           print(a)
         count+=1
         if count==1:
             arr1= np. array(a)
             print("arr1=",arr1)
         else:
             arr2= np.array(a)
             print("arr2=",arr2)
      else:
        print("valid number please”)
       # creating the class and defining the functions

    class simple_math:
            def add(n,u):
                 n=arr1
                 u=arr2
                 value= np .add ( arr1, arr2)
                 print("the value of adding 2 arrays",n,u,"is ", value)
            def subtract(n,u):
               n=arr1
               u=arr2
               value= np . subtract( arr1, arr2)
               print("the the difference between 2 arrays",n,u,"is ", value)
            def multiply(n,u):
               n=arr1
               u=arr2
               value=  np. multiply(arr1,arr2)
```

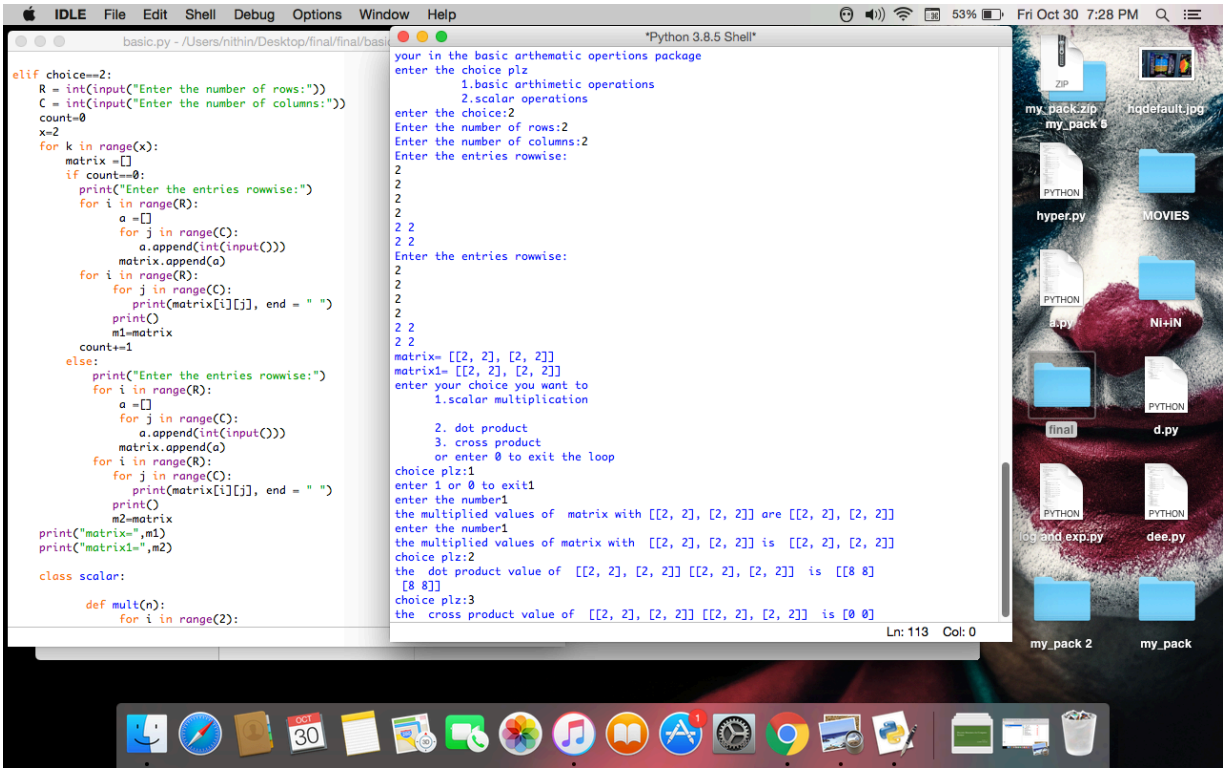
```
        print("the value of multiplying 2 arrays",n,u,"is ", value)
    def divide(n,u):
        n=arr1
        u=arr2
        value= np.divide(arr1,arr2)
        print("the value of dividing 2 arrays",n,u,"is ", value)
    def mod(n,u):
        n=arr1
        u=arr2
        value= np.mod(arr1,arr2)
        print("the remainders of diving 2 arrays",n,u,"is ", value)
    def  divmod(n,u):
        n=arr1
        u=arr2
        value= np.divmod(arr1,arr2)
        print("the remainder and quotient of 2 arrays",n,u,"is ", value)
    def power(n,u):
        n=arr1
        u=arr2
        value=  np. power( arr1,  arr2)
        print("the power 2 arrays",n,u,"is ", value)
    def positive(n):
        for i in range(2):
            if i==0:
                n=arr1
                value1= np.positive(arr1)
                print("the positive values of  1st array", arr1,"is ", value1)
            else:
                n=arr2
                value2= np.positive(arr2)
                print("the positive values of  2nd array", arr2,"is ",value2)
    def negative(n):
        for i in range(2):
            if i==0:
                n=arr1
                value1= np.negative(arr1)
                print("the negative values of  1st array", arr1,"is ", value1)
            else:
                n=arr2
                value2= np.negative(arr2)
                print("the negative values of  2nd array", arr2,"is ", value1)

print("""enter your choice you want to
  1addition
  2.subtraction
  3.multiplication
  4.division
```

```
      5.remainder
      6.both remainder and quotient
      7.power
      8.positive
      9.negative
      or enter 0 to exit the loop""")
    p=True
    while p==True:
            number=int(input("choice please:"))
            if number==0:
               p=False
            elif number==1:
               s1=simple_math.add(arr1,arr2)
            elif number ==2:
               s1=simple_math.subtract(arr1,arr2)
            elif number==3:
                s1=simple_math.multiply(arr1,arr2)
            elif number==4:
                s1=simple_math.divide(arr1,arr2)
            elif number==5:
                s1=simple_math.mod(arr1,arr2)
            elif number==6:
                s1= simple_mat.divmod (arr1,arr2)
            elif number==7:
                s1=simple_math.power(arr1,arr2)
            elif number==8:
                t=int(input("enter 1 or 0 to exit"))
                if t==1:
                   s1=simple_math.positive(arr1)
                else:
                   s1=simple_math.positive(arr2)
            elif number==9:
                if t==1:
                   s1=simple_math.negative(arr1)
                else:
                    s1=simple_math.negative(arr2)
            else:
               print("enter the valid number")



elif choice==2:
    R = int(input("Enter the number of rows:"))
    C = int(input("Enter the number of columns:"))
    count=0
    x=2
    for k in range(x):
```

```
    matrix =[]
    if count==0:
      print("Enter the entries row wise:")
      for i in range(R):
           a =[]
           for j in range(C):
              a.append(int(input()))
           matrix.append(a)
      for i in range(R):
          for j in range(C):
            print(matrix[i][j], end = " ")
          print()
          m1=matrix
      count+=1
    else:
        print("Enter the entries row wise:")
        for i in range(R):
           a =[]
           for j in range(C):
              a.append(int(input()))
           matrix.append(a)
        for i in range(R):
          for j in range(C):
            print(matrix[i][j], end = " ")
          print()
          m2=matrix
print("matrix=",m1)
print("matrix1=",m2)

class scalar:

       def mult(n):
            for i in range(2):
               n=int(input("enter the number"))
               if i==0:
                  value1=m1*n
                  print("the multiplied values of  matrix with",m1,"are", value1)
               else:
                 value2=m2*n
                 print("the multiplied values of matrix with ",m2,"is ",value2)


       def mat_mul(n,u):
          n=m1
          u=m2
          value=n*u
          print(" the value of multiplied matrix is",value)
```

```
        def dot(n,u):
          n=m1
          u=m2
          value = np.dot(m1,m2)
          print("the  dot product value of " ,n,u," is ",value)
        def cross(n,u):
          n=m1
          u=m2
          value = np.cross(m1,m2)
          print("the  cross product value of ",n,u," is",value)



  print("""enter your choice you want to
    1.scalar multiplication
    2. matrix multiplication
    3. dot product
    4. cross product
    or enter 0 to exit the loop""")
  p=True
  while p==True:
        number=int(input("choice please:"))
        if number==0:
          p=False

        elif number ==1:
            t=int(input("enter 1 or 0 to exit"))
            if t==1:
              s1= scalar.mult(m1)
            else:
              s1= scalar.mult(m2)

        elif number==2:
            s1= scalar.mat_mul(m1,m2)
        elif number==3:
            s1=scalar.dot(m1,m2)
        elif number==4:
            s1=scalar.cross(m1,m2)

else:
  print("valid number please")
```

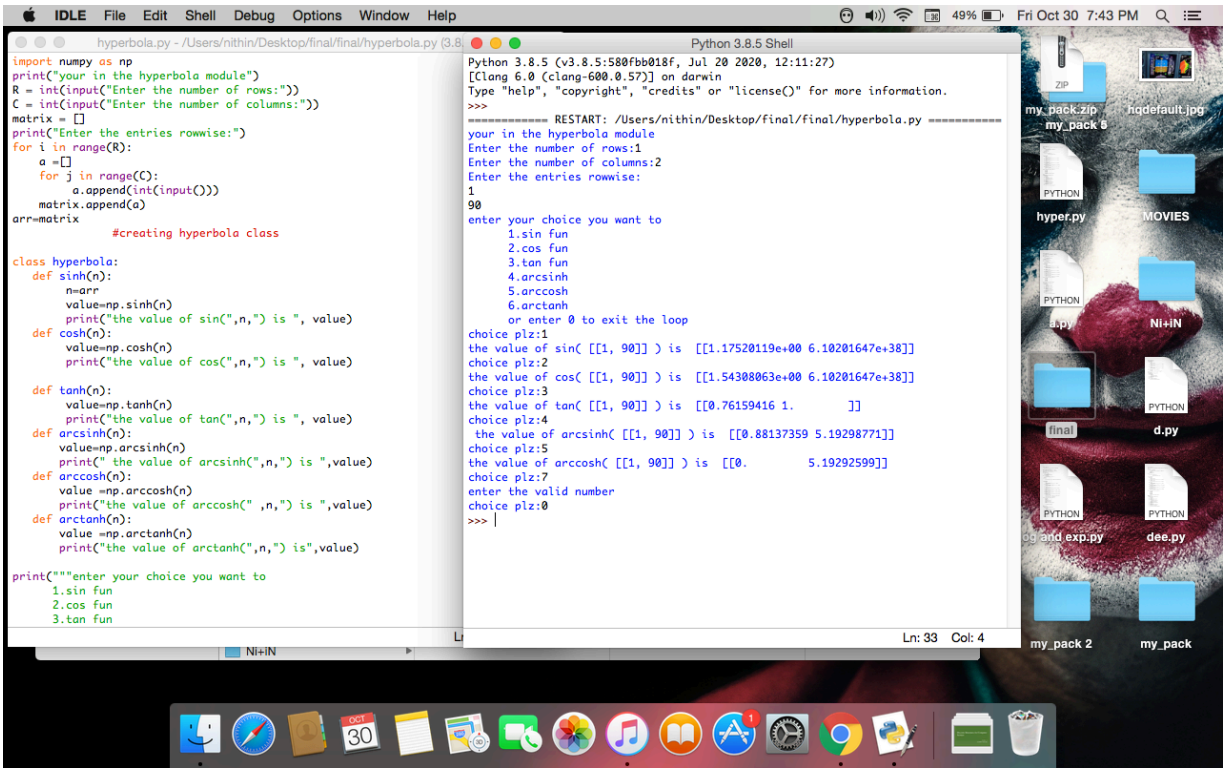

IDLE File Edit Shell Debug Options Window Help
55% Fri Oct 30 7:19 PM
Python 3.8.5 Shell
your in the basic arthematic opertions package
enter the choice plz
1.basic arthimetic operations
2.scalar operations
enter the choice:1
enter the numberof elements you need in the array: 2
enter the element of the array:2
[2]
enter the element of the array:2
[2, 2]
arr1= [2 2]
enter the element of the array:2
[2]
enter the element of the array:2
[2, 2]
arr2= [2 2]
enter your choice you want to
1addition
2.subtraction
3.multiplication
4.division
5.remainder
6.both remainder and quotient
7.power
8.positive
9.negative
or enter 0 to exit the loop
choice plz:1
the value of adding 2 arrays [2 2] [2 2] is [4 4]
choice plz:2
the the difference between 2 arrays [2 2] [2 2] is [0 0]
choice plz:3
the value of multiplying 2 arrays [2 2] [2 2] is [4 4]
choice plz:4
the value of dividing 2 arrays [2 2] [2 2] is [1. 1.]
choice plz:5
the remainders of diving 2 arrays [2 2] [2 2] is [0 0]
choice plz:6
the remainder and quotient of 2 arrays [2 2] [2 2] is (array([1, 1]), array([0, 0]))
choice plz:7
Ln: 38 Col: 0
Favorites
Tags
Red
Orange
Yellow
Green
Blue
Purple
Gray
All Tags...
my_pack.zip
hqdefault.jpg
my_pack 8
hyper.py
MOVIES
Ni+iN
final
d.py
dee.py
my_pack 2
my_pack


IDLE File Edit Shell Debug Options Window Help
Fri Oct 30 7:28 PM
basic.py - /Users/nithin/Desktop/final/final/basic
Python 3.8.5 Shell
Ln: 113 Col: 0
my_pack.zip
hqdefault.jpg
hyper.py
MOVIES
Ni+iN
final
d.py
dee.py
my_pack 2
my_pack

HYPERBOLA MODULE

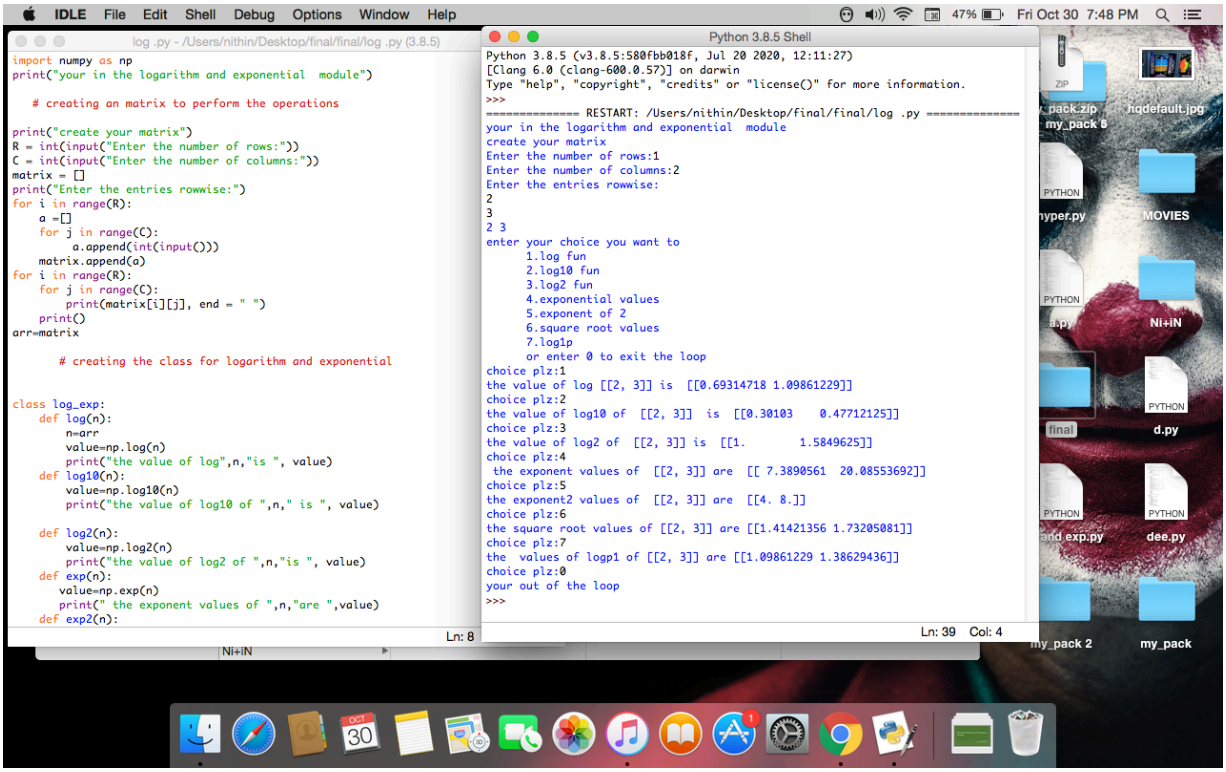
```
import numpy as np
print("your in the hyperbola module")
R = int(input("Enter the number of rows:"))
C = int(input("Enter the number of columns:"))
matrix = []
print("Enter the entries row  wise:")
for i in range(R):
    a =[]
    for j in range(C):
        a.append(int(input()))
    matrix.append(a)
arr=matrix
            #creating hyperbola class

class hyperbola:
   def  sinh(n):
        n=arr
        value=np. sinh(n)
        print("the value of sin(",n,") is ", value)
   def cosh(n):
        value=np. cosh(n)
        print("the value of cos(",n,") is ", value)

   def  tanh(n):
        value=np. tanh(n)
        print("the value of tan(",n,") is ", value)
   def  arcsinh(n):
       value=np. arcsinh(n)
       print(" the value of arcsinh(",n,") is ",value)
   def  arccosh(n):
       value =np. arccosh(n)
       print("the value of  arccosh(" ,n,") is ",value)
   def  arctanh(n):
       value =np. arctanh(n)
       print("the value of  arctanh(",n,") is",value)

print("""enter your choice you want to
      1.sin fun
      2.cos fun
      3.tan fun
      4. arcsinh
      5. arccosh
      6. arctanh
      or enter 0 to exit the loop""")
```

```
p=True
while p==True:
  number=int(input("choice please:”))
  if number==0:
          p=False
  elif number==1:
         s1= hyperbola.sinh(arr)
  elif number ==2:
          s1=hyperbola.cosh(arr)
  elif number==3:
        s1= hyperbola.tanh(arr)
  elif number==4:
        s1= hyperbola.arcsinh(arr)
  elif number==5:
       s1= hyperbola.arccosh(arr)
  elif number==6:
      s1= hyperbola.arctanh(arr)
  else:
        print("enter the valid number")
```



```
import numpy as np
print("your in the logarithm and exponential  module")

   # creating an matrix to perform the operations

print("create your matrix")
R = int(input("Enter the number of rows:"))
C = int(input("Enter the number of columns:"))
matrix = []
print("Enter the entries row wise:")
for i in range(R):
    a =[]
    for j in range(C):
         a.append(int(input()))
    matrix.append(a)
for i in range(R):
    for j in range(C):
        print(matrix[i][j], end = " ")
    print()
arr=matrix

      # creating the class for logarithm and exponential


class log_exp:
    def log(n):
        n=arr
        value=np.log(n)
        print("the value of log",n,"is ", value)
    def log10(n):
        value=np.log10(n)
        print("the value of log10 of ",n," is ", value)

    def log2(n):
        value= np.log2(n)
        print("the value of log2 of ",n,"is ", value)
    def  exp(n):
       value= np.exp(n)
       print(" the exponent values of ",n,"are ",value)
    def  exp2(n):
       value = np.exp2(n)
       print("the exponent2 values of " ,n,"are ",value)
    def  sqrt(n):
       value =np.sqrt(n)
       print("the square root values of",n,"are",value)
    def log1p(n):
        value= np.log1p(n)
```

```
        print("the  values of  logp1 of",n,"are",value)

        #printing the list of operations

print("""enter your choice you want to
      1.log fun
      2.log10 fun
      3.log2 fun
      4.exponential values
      5.exponent of 2
      6.square root values
      7.log1p
      or enter 0 to exit the loop""")

        # creating the objects


p=True
while p==True:
  number=int(input("choice please:"))
  if number==0:
          p=False
          print("your out of the loop")
  elif number==1:
         s1= log_exp.log(arr)
  elif number ==2:
          s1= log_exp.log10(arr)
  elif number==3:
        s1= log_exp.log2(arr)
  elif number==4:
        s1= log_exp.exp(arr)
  elif number==5:
       s1= log_exp.exp2(arr)
  elif number==6:
      s1= log_exp.sqrt(arr)
  elif number==7:
       s1= log_exp.log1p(arr)

  else:
        print("enter the valid number")
```

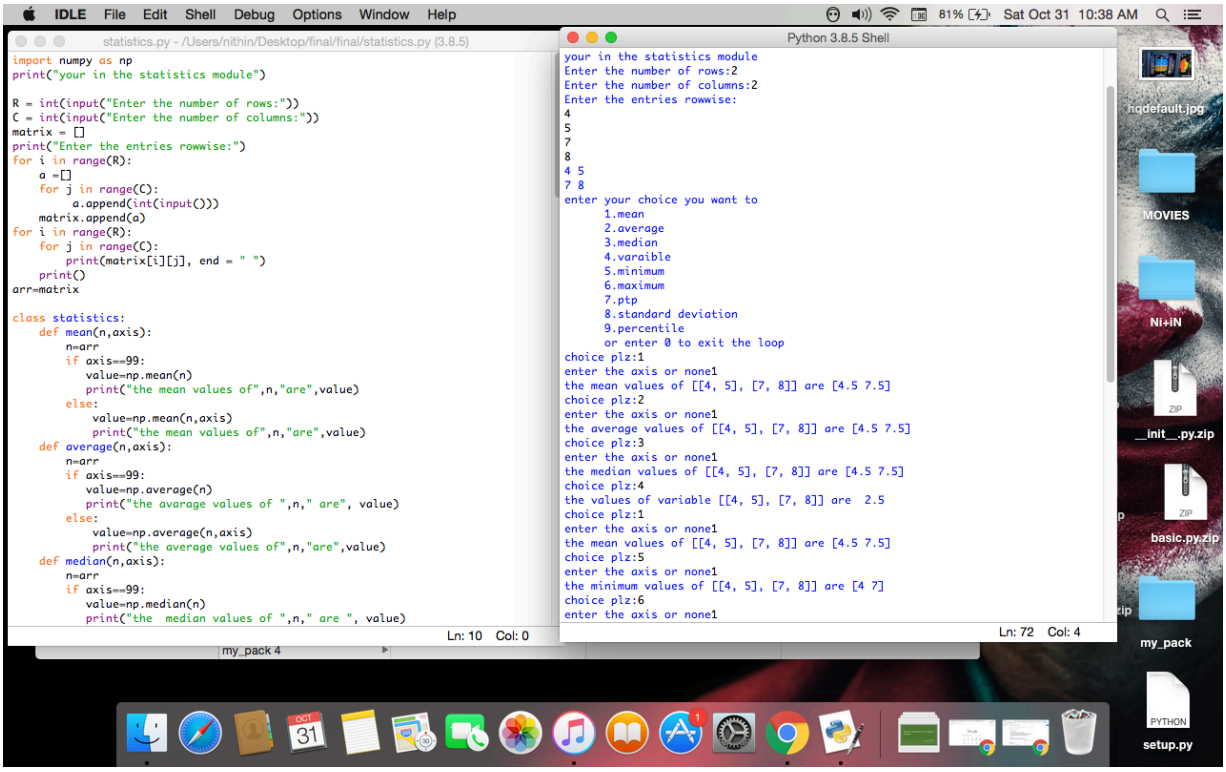

IDLE File Edit Shell Debug Options Window Help
47% Fri Oct 30 7:48 PM
log .py - /Users/nithin/Desktop/final/final/log .py (3.8.5)
import numpy as np
print("your in the logarithm and exponential module")
# creating an matrix to perform the operations
print("create your matrix")
R = int(input("Enter the number of rows:"))
C = int(input("Enter the number of columns:"))
matrix = []
print("Enter the entries rowwise:")
for i in range(R):
a =[]
for j in range(C):
a.append(int(input()))
matrix.append(a)
for i in range(R):
for j in range(C):
print(matrix[i][j], end = " ")
print()
arr=matrix
# creating the class for logarithm and exponential
class log_exp:
def log(n):
n=arr
value=np.log(n)
print("the value of log",n,"is ", value)
def log10(n):
value=np.log10(n)
print("the value of log10 of ",n," is ", value)
def log2(n):
value=np.log2(n)
print("the value of log2 of ",n,"is ", value)
def exp(n):
value=np.exp(n)
print(" the exponent values of ",n,"are ",value)
def exp2(n):
Ln: 8
Python 3.8.5 Shell
Python 3.8.5 (v3.8.5:580fbb018f, Jul 20 2020, 12:11:27)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/nithin/Desktop/final/final/log .py ==========
your in the logarithm and exponential module
create your matrix
Enter the number of rows:1
Enter the number of columns:2
Enter the entries rowwise:
2
3
2 3
enter your choice you want to
1.log fun
2.log10 fun
3.log2 fun
4.exponential values
5.exponent of 2
6.square root values
7.log1p
or enter 0 to exit the loop
choice plz:1
the value of log [[2, 3]] is [[0.69314718 1.09861229]]
choice plz:2
the value of log10 of [[2, 3]] is [[0.30103 0.47712125]]
choice plz:3
the value of log2 of [[2, 3]] is [[1. 1.5849625]]
choice plz:4
the exponent values of [[2, 3]] are [[7.3890561 20.08553692]]
choice plz:5
the exponent2 values of [[2, 3]] are [[4. 8.]]
choice plz:6
the square root values of [[2, 3]] are [[1.41421356 1.73205081]]
choice plz:7
the values of logp1 of [[2, 3]] are [[1.09861229 1.38629436]]
choice plz:0
your out of the loop
>>>
Ln: 39 Col: 4
pack.zip
my_pack 8
hqdefault.jpg
hyper.py
MOVIES
Ni+iN
final
d.py
dee.py
my_pack 2
my_pack
Ni+iN

```
import numpy as np
print("your in the statistics module")

R = int(input("Enter the number of rows:"))
C = int(input("Enter the number of columns:"))
matrix = []
print("Enter the entries rowwise:")
for i in range(R):
    a =[]
    for j in range(C):
         a.append(int(input()))
    matrix.append(a)
for i in range(R):
    for j in range(C):
        print(matrix[i][j], end = " ")
    print()
arr=matrix

class statistics:
    def mean(n,axis):
        n=arr
        if axis==99:
           value=np.mean(n)
           print("the mean values of",n,"are",value)
        else:
            value=np.mean(n,axis)
            print("the mean values of",n,"are",value)
    def average(n,axis):
        n=arr
        if axis==99:
           value=np.average(n)
           print("the avarage values of ",n," are", value)
        else:
            value=np.average(n,axis)
            print("the average values of",n,"are",value)
    def median(n,axis):
        n=arr
        if axis==99:
           value=np.median(n)
           print("the  median values of ",n," are ", value)
        else:
            value=np.median(n,axis)
            print("the median values of",n,"are",value)

    def variable(n):
        n=arr
        value=np.var(n)
```

```
        print("the values of variable",n,"are ", value)
    def amin(n,axis):
        n=arr
        if axis==99:
          value=np.amin(n)
          print(" the   minimum value of",n," are",value)
        else:
           value=np.amin(n,axis)
           print("the minimum values of",n,"are",value)
    def amax(n,axis):
        n=arr
        if axis==99:
          value =np.amax(n)
          print("the maximum values of " ,n,") is ",value)
        else:
           value=np.amax(n,axis)
           print("the maximun values of",n,"are",value)
    def ptp(n,axis):
        n=arr
        if axis==99:
         value =np.ptp(n)
         print("the ptp values of",n,"are",value)
        else:
           value=np.ptp(n,axis)
           print("the ptp values of",n,"are",value)
    def std(n):
        n=arr
        value=np.std(n)
        print("the standard deviation values of",n,"are",value)
    def percentile(n,q,axis):
        n=arr
        if axis==99:
           value=np.percentile(a,q)
           print("the percentile of",n,"are",value)
        else:
           value=np.percentile(a,q,axis)
           print("the percentile of",n,"are",value)

  # creating the objects
print("""enter your choice you want to
      1.mean
      2.average
      3.median
      4.varaible
      5.minimum
      6.maximum
      7.ptp
```

```
    8.standard deviation
    9.percentile
    or enter 0 to exit the loop""")
p=True
while p==True:
  number=int(input("choice plz:"))
  if number==0:
        p=False
  elif number==1:
       axis=int(input("enter the axis or none"))
       if axis <=R:
         s1=statistics.mean(arr,axis)
       else:
          print("you're axis is beyond the rows")
  elif number ==2:
        axis=int(input("enter the axis or none"))
        if axis <=R:
          s1=statistics.average(arr,axis)
        else:
          print("you're axis is beyond the rows")
  elif number==3:
       axis=int(input("enter the axis or none"))
       if axis <=R:
         s1=statistics.median(arr,axis)
       else:
          print("you're axis is beyond the rows")
  elif number==4:
       s1=statistics.variable(arr)
  elif number==5:
      axis=int(input("enter the axis or none"))
      if axis <=R:
        s1=statistics.amin(arr,axis)
      else:
          print("you're axis is beyond the rows")
  elif number==6:
       axis=int(input("enter the axis or none"))
       if axis <=R:
         s1=statistics.amax(arr,axis)
       else:
          print("you're axis is beyond the rows")
  elif number==7:
       axis=int(input("enter the axis or none"))
       if axis <=R:
         s1=statistics.ptp(arr,axis)
       else:
          print("you're axis is beyond the rows")
  elif number==8:
```

```
        s1=statistics.std(arr)
elif number==9:
        q=int(input("enter the percentilt"))
        axis=int(input("enter the axis or none"))
        if axis <=R:
           s1=statistics.percentile(arr,q,axis)
        else:
            print("you're axis is beyond the rows")
else:
      print("enter the valid number")
```



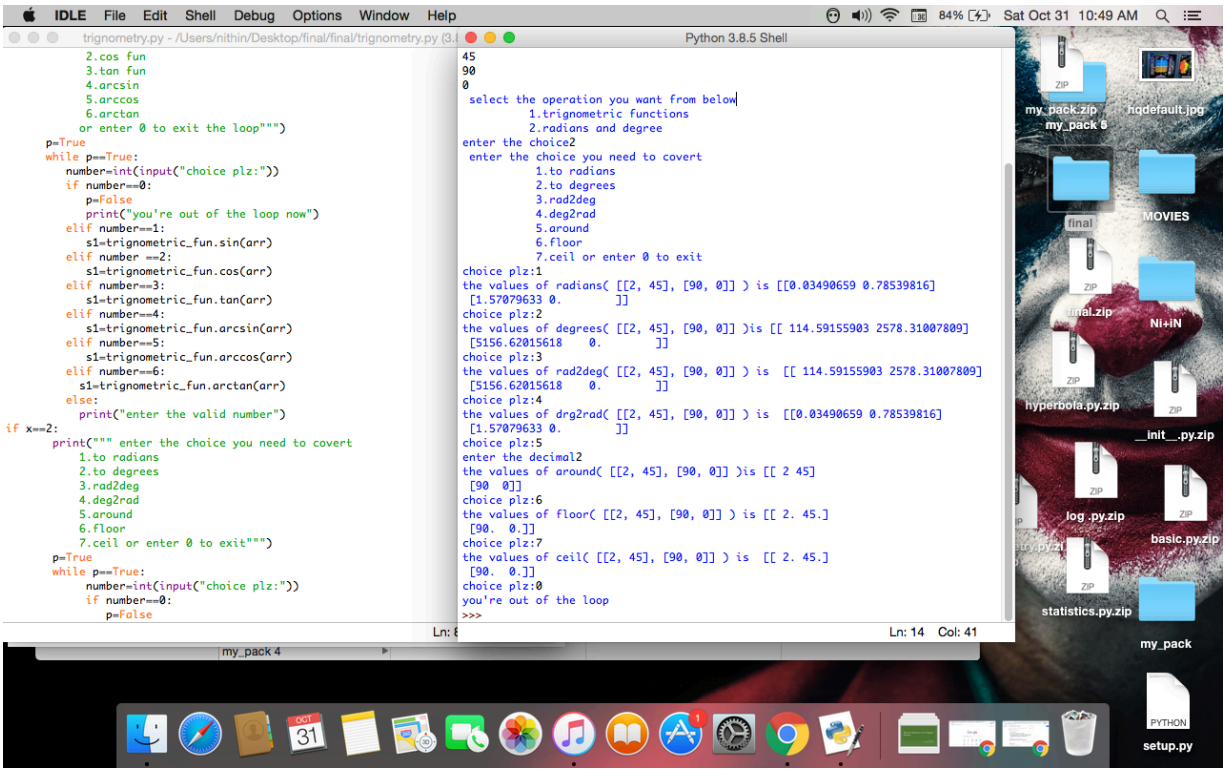
TRIGNOMETRY MODULE

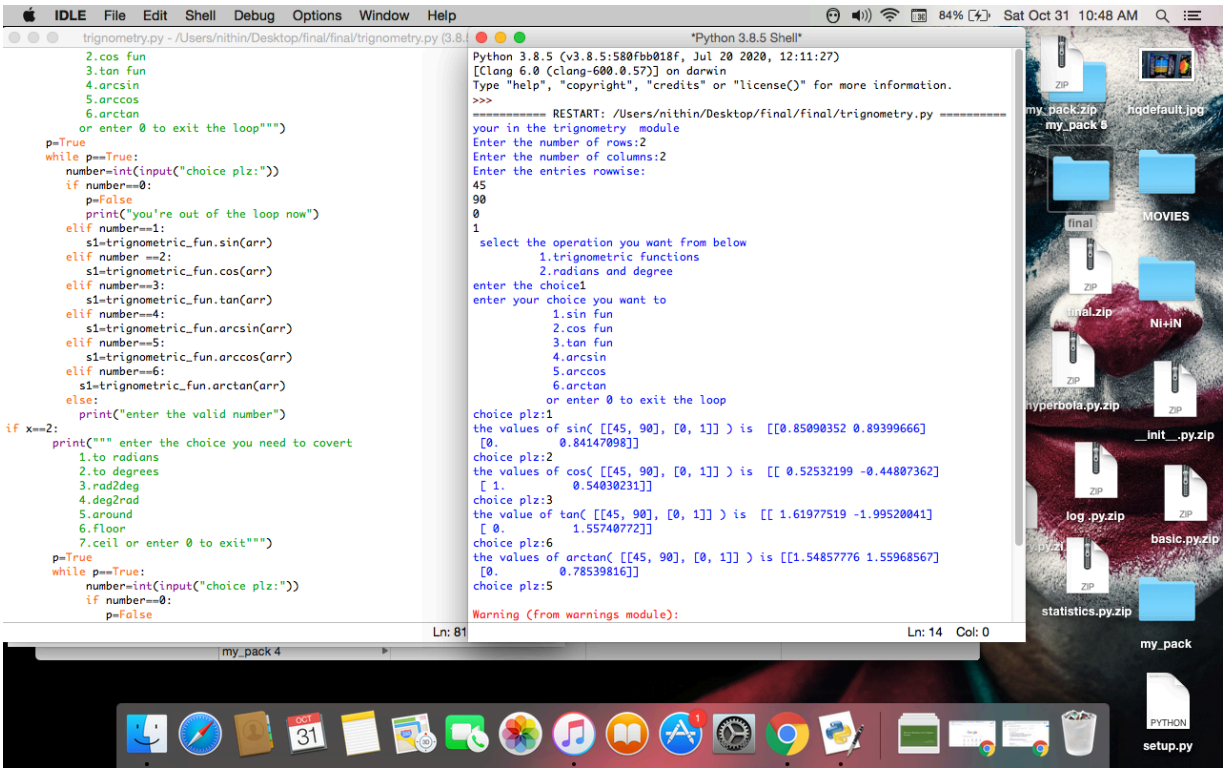
```
import numpy as np
print("your in the   trignometry  module")
            # creating an array
R = int(input("Enter the number of rows:"))
C = int(input("Enter the number of columns:"))
matrix = []
print("Enter the entries row wise:")
for i in range(R):
    a =[]
    for j in range(C):
        a.append(int(input()))
    matrix.append(a)
arr=matrix

class  trignometric_fun:
      def sin(n):
         n=arr
         value= np.sin(n)
         print("the values of sin(",n,") is ", value)
      def cos(n):
          n=arr
          value= np.cos(n)
          print("the values of cos(",n,") is ", value)
      def tan(n):
        n=arr
        value= np.tan(n)
        print("the value of tan(",n,") is ", value)

      def arcsin(n):
          n=arr
          value= np.arcsin(n)
          print(" the values of arcsin(",n,") is ",value)
      def  arccos(n):
          n=arr
          value = np.arccos(n)
          print("the values of  arccos(" ,n,") is ",value)
      def arctan(n):
          n=arr
          value = np.arctan(n)
          print("the values of arctan(",n,") is",value)
class rad_deg:
       def radians(n):
          n=arr
```

```
        value= np.radians(n)
        print("the values of radians(",n,") is",value)
    def degrees(n):
        n=arr
        value= np.degrees(n)
        print("the values of degrees(",n,")is",value)
    def rad2deg(n):
        n=arr
        value= np.rad2deg(n)
        print("the values of rad2deg(",n,") is ",value)
    def deg2rad(n):
        n=arr
        value= np.deg2rad(n)
        print("the values of deg2rad(",n,") is ",value)
    def around(n,decimal):
        n=arr
        value= np.around(n,decimal)
        print("the values of around(",n,")is",value)
    def floor(n):
        n=arr
        value = np.floor(n)
        print("the values of floor(",n,") is",value)
    def ceil(n):
        n=arr
        value= np.ceil(n)
        print("the values of ceil(",n,") is " ,value)
print(''' select the operation you want from below
        1. trignometric functions
        2.radians and degree''')
x=int(input("enter the choice"))

if x==1:

    print("""enter your choice you want to
          1.sin fun
          2.cos fun
          3.tan fun
          4.arcsin
          5. arccos
          6.arctan
         or enter 0 to exit the loop""")
    p=True
    while p==True:
        number=int(input("choice please:"))
        if number==0:
            p=False
            print("you're out of the loop now")
```

```
        elif number==1:
          s1= trignometric_fun.sin(arr)
        elif number ==2:
          s1= trignometric_fun.cos(arr)
        elif number==3:
          s1=  trignometric_fun.tan(arr)
        elif number==4:
          s1= trignometric_fun.arcsin(arr)
        elif number==5:
          s1= trignometric_fun.arccos(arr)
        elif number==6:
         s1= trignometric_fun.arctan(arr)
        else:
         print("enter the valid number")
if x==2:
      print(""" enter the choice you need to covert
          1.to radians
          2.to degrees
          3.rad2deg
          4.deg2rad
          5.around
          6.floor
          7.ceil or enter 0 to exit""")
      p=True
      while p==True:
          number=int(input("choice plese:”))
          if number==0:
            p=False
            print("you're out of the loop")
          elif number==1:
            s1=rad_deg.radians(arr)
          elif number ==2:
             s1=rad_deg.degrees(arr)
          elif number==3:
             s1=rad_deg.rad2deg(arr)
          elif number==4:
             s1=rad_deg.deg2rad(arr)
          elif number==5:
             decimal=int(input("enter the decimal"))
             s1=rad_deg.around(arr,decimal)
          elif number==6:
             s1=rad_deg.floor(arr)
          elif number==7:
             s1=rad_deg.ceil(arr)
          else:
             print("enter the valid number")
```

```
else:
    print ("enter valid number please")
```




IDLE File Edit Shell Debug Options Window Help
84% Sat Oct 31 10:48 AM
trignometry.py - /Users/nithin/Desktop/final/final/trignometry.py (3.8.
2.cos fun
3.tan fun
4.arcsin
5.arccos
6.arctan
or enter 0 to exit the loop""")
p=True
while p==True:
number=int(input("choice plz:"))
if number==0:
p=False
print("you're out of the loop now")
elif number==1:
s1=trignometric_fun.sin(arr)
elif number ==2:
s1=trignometric_fun.cos(arr)
elif number==3:
s1=trignometric_fun.tan(arr)
elif number==4:
s1=trignometric_fun.arcsin(arr)
elif number==5:
s1=trignometric_fun.arccos(arr)
elif number==6:
s1=trignometric_fun.arctan(arr)
else:
print("enter the valid number")
if x==2:
print(""" enter the choice you need to covert
1.to radians
2.to degrees
3.rad2deg
4.deg2rad
5.around
6.floor
7.ceil or enter 0 to exit""")
p=True
while p==True:
number=int(input("choice plz:"))
if number==0:
p=False
Ln: 81
Python 3.8.5 Shell
Python 3.8.5 (v3.8.5:580fbb018f, Jul 20 2020, 12:11:27)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/nithin/Desktop/final/final/trignometry.py ==========
your in the trignometry module
Enter the number of rows:2
Enter the number of columns:2
Enter the entries rowwise:
45
90
0
1
select the operation you want from below
1.trignometric functions
2.radians and degree
enter the choice1
enter your choice you want to
1.sin fun
2.cos fun
3.tan fun
4.arcsin
5.arccos
6.arctan
or enter 0 to exit the loop
choice plz:1
the values of sin([[45, 90], [0, 1]]) is [[0.85090352 0.89399666]
[0. 0.84147098]]
choice plz:2
the values of cos([[45, 90], [0, 1]]) is [[0.52532199 -0.44807362]
[1. 0.54030231]]
choice plz:3
the value of tan([[45, 90], [0, 1]]) is [[1.61977519 -1.99520041]
[0. 1.55740772]]
choice plz:6
the values of arctan([[45, 90], [0, 1]]) is [[1.54857776 1.55968567]
[0. 0.78539816]]
choice plz:5
Warning (from warnings module):
Ln: 14 Col: 0
my_pack.zip
my_pack 6
hqdefault.jpg
final
MOVIES
Ni+iN
hyperbola.py.zip
__init__.py.zip
log .py.zip
basic.py.zip
statistics.py.zip
my_pack
setup.py
my_pack 4