'''

find area of shape

'''

while loops for validation,

practicing global variables,

passing values into function,

returning values from function.

# data var

menu = (1, 5)

PI = 3.14

# process

def main()

print(menu(1, 5))

get\_menu = int(input))

option = func\_validate(get\_menu)

shape = func\_shape(option)

area = func\_area(option)

func\_output(shape, area) # output

func\_quit(option)

func\_validate(int):

if 0 > int > 5:

print(‘enter valid’)

main()

else:

return int

func\_shape(opt)

if opt == 1

return rectangle

elif op == 2

return triangle

elif op == 3

return square

elif op == 4

return circle

func\_area(opt)

if opt == 1

return func\_rectangle

elif op == 2

return func\_triangle

elif op == 3

return func\_square

elif op == 4

return func\_circle

func\_rectagle()

length = int(input)

width = int(input)

area = length \* width

return area

func\_triangle()

base = int(input)

height = int(input)

area = base \* height /2

return area

func\_square()

length = int(input)

area = length \*\*2

return area

func\_circle()

global PI

radius = int(input)

area = radius\*\*2 \* PI

return area

func\_output(shape, area)

print(‘The area of your’ + shape + ‘is’ + area)

func\_quit(opt)

while opt == 5:

print(‘End program’)

break

else:

main()

main()