#CS299: Lab0 -- Running Python Programs in different ways

#method 1: type into Python IDLE, run with F5

#method 2: under Unix/Linux, run with %python Lab0.py

#method 3 (optional) modify the program to get two input values as

# command line parameters, make program executable, then

# run with %lab0 8.0 16 (hint: use argv[])

print("Welcome to Area and Volume calculation program")

pi = 3.14159

radius = input("Please enter a real number as radius, say 8.0: ")

radius = input("please enter an integer as height, say 16: ")

radius = 8.0

height = 16

baseArea = pi \* radius \*\* 2

cylinderVolume = baseArea \* height

print("base area = ", baseArea)

print("volume = ", cylinderVolume)