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# Project:      Lab07 (VoMikeLab07SecHY02Ver01.py)
# Name:        Mike Vo
# Date:        02/21/17
# Description:  This program receives a pizza's diameter and cost from
user,
#              then return to shell its cost per square inch

# Get the pi value from math module
from math import pi

# Calculate the cost per square inch
def CostPerSqIn(fltArea, fltPrice):
    return fltPrice / fltArea

# Calculate pizza area
def PizzaArea(fltRadius):
    return pi * fltRadius * fltRadius

def main():

    # Get user input
    fltDiameter = float(input("Pizza diameter (inch)>>> "))
    fltPrice = float(input("Pizza cost>>> $"))

    # Output
    print("Cost/SqIn: ${0:0.2f}".format(CostPerSqIn(PizzaArea(fltDiameter
/ 2), fltPrice)))

main()

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