#Brad Jones

#CSC110 - Section 6

#4/13/2017

# Calculating the distance light travels

# from the Sun to the Earth

#PSUEDOCODE

#set constant for speed of light(CAPITAL LETTERS)

#set constant for distance from the Sun to the Earth

#Calculate distance/speed = time

#output time

LIGHTSPD = 3 \* 10 \*\* 8

DIST = 1.5 \* 10 \*\* 11

TIME = int(DIST / LIGHTSPD)

MINUTES = TIME // 60

SECONDS = TIME % 60

#print (TIME)

print ("The ray of light passes the distance from the Sun \n"

"to the Earth for", MINUTES, "mintutes and", SECONDS,"seconds.")

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#Prince change comparison tool.

origPrice = float(input("Enter the price of your item: $"))

modifier = float(input("Enter the percentage you want to modify the price: "))

percent = modifier / 100

incrPrice = int(origPrice + origPrice \* percent)

newPrice = int(incrPrice + incrPrice \* (-1 \* (percent)))

print("After increaseing the price by", modifier, "%, and then reducing that price \n"

"by", modifier, "%, your new price is: $", newPrice)