

ASSIGNMENT #07 – CREATING A GRAPHICAL DESIGN USING LOOPS

USING PYTHON ONLY FOR ASSIGNMENT #07

RESOURCES NEEDED TO COMPLETE ASSIGNMENT

- See Videos in CONTENT LINK USING LOOPS TO CREATE GRAPHICAL DESIGNS
- CHAPTER 4

DESCRIPTION FOR ASSIGNMENT #07:

1. ☐ View the Video “DESIGNING A HOUSE USING PYTHON TURTLE GRAPHICS” which describes step by step how to draw a house or you may design your own house (located under WEEK #09). You may feel free to design your own house. However, it must use FOR LOOPS throughout the entire program to repeatedly build the house.

DRAWING A HOUSE

** You may create your own house design, but it must have at least all the elements described in the video and the extra elements in this description below.*

2. ☐ You will design a house or building using **for loops**. The house must display the following.
 - a. ☐ Change the roof, body of the house, chimney, and door to different colors than in the video (worth 1 point)
 - ☐ A Roof (worth 1 point)
 - ☐ A chimney (worth 1 point)
 - ☐ At least 2 windows (worth 1.5 points)
 - ☐ A Door with a door handle (worth 1 point)
 - ☐ A sidewalk at the front door which leads out towards where a street may exist (worth 1.5 points)
 - ☐ Draw four (4) trees in front and side of the house with two trees on each front/side of the sidewalk (worth 2 points)
 - ☐ Draw flowers or scrubs across the lawn (worth 1 point)
 - ☐ Include the scenery such as the grass, sun, clouds (worth 1.5 points)
 - ☐ Draw a dog or cat or person or a car in the front of the house (worth 1.5 points)
 - ☐ Intro comments with the following (worth 0.75 point)
 - Programmer: your first and last name
 - Program name: Assignment #07 Graphic House Design using FOR LOOPS
 - Date Written: current date
 - Comments throughout the program to identify each design (worth 1.25 points)
3. ☐ Reminder: Place comments throughout the program labeling each design drawn

SAVE DESIGN IN PYTHON:

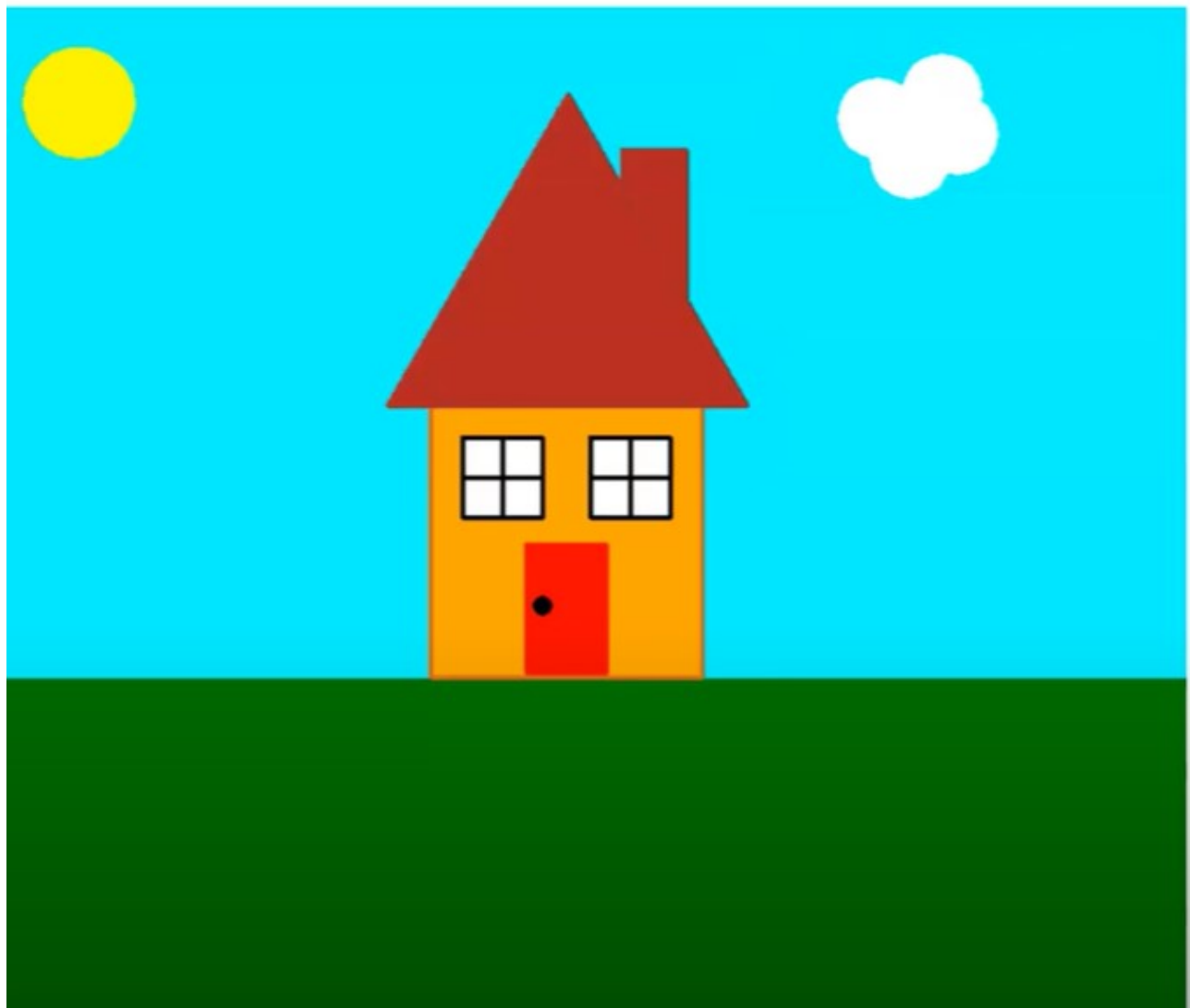
4. ☐ Save your python program as:

`yourlastname_yourfirstname_A7_HOUSE_DESIGN.py`

5. Create a PRINT SCREEN IMAGE, and save in either WORD or PAINT as
`yourlastname_yourfirstname_A7_HOUSE_IMAGE`

A SAMPLE DESIGN WITHOUT THE TREES, SCRUBS OR FLOWERS, A PERSON, CAT, DOG OR CAR OR AND SIDEWALK

Your final design must contain all the required objects.



FILES TO SUBMIT:

6. ☐ SUBMIT THE FOLLOWING FILES:

yourlastname_yourfirstname_A7_HOUSE_DESIGN.py

yourlastname_yourfirstname_A7_HOUSE_IMAGE