

Exercise duration: ~5 minutes

## Practice exercise

# Open and Start a Drawing, Drawing Basic Entities, Erase, Zoom, and Pan.

Start a new drawing based on a selected template, return to the start page, and open one of the provided template files. Use the file tabs to switch between the three shown, ending on the blank, new drawing. Using coordinates, distances, and angles, draw lines in the shape of a box. Draw a rectangle, then erase it along with a line. Draw a circle next to the box and practice zooming and panning to change the view.

1. From the Start page, begin a new drawing using the pcd (Imperial Architectural).dwt template file.
2. Return to the Start Page and open the progeCAD sample drawing named Ar House 1.dwg by clicking its thumbnail.
3. Click on the new drawing file tab to return to it.

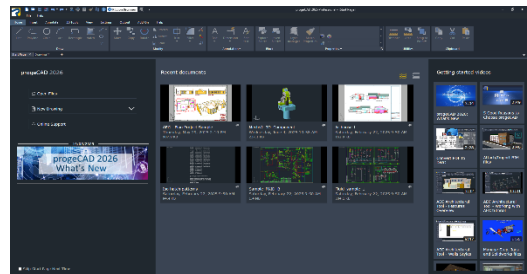


Figure 1. The Start Page

4. Your first task is to draw a box using line segments. Using Dynamic Input, start at 2,2. Make each side 2 units, and start at zero degrees, working your way counter-clockwise.
5. After the 4<sup>th</sup> point, close the shape with the C option.
6. Start the Rectangle command, and using Dynamic Input, start at 12,2. Drag the

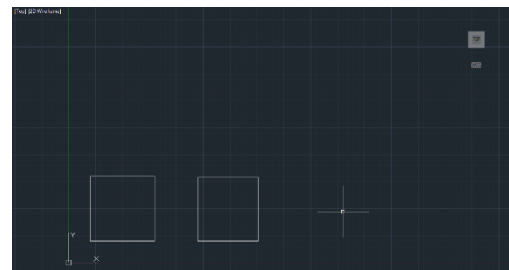


Figure 2. The drawing editor with the lines box and rectangle shown.

mouse to the next point to create the rectangle in the rough shape of the first box.

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7. Your second task is to erase two entities. Start the Erase command and select the rectangle and the top edge of the lines box. Press Enter to execute the command.

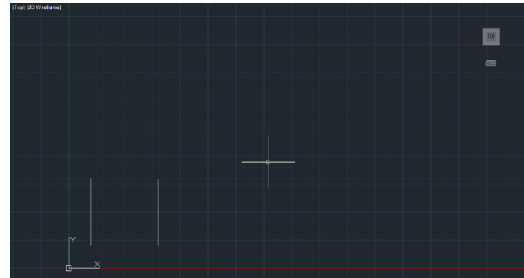


Figure 3. The drawing with the entities deleted.

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8. Your third task is to draw a circle. Start the Circle command and use 12,5 as the center point. Specify a radius of 3 units.

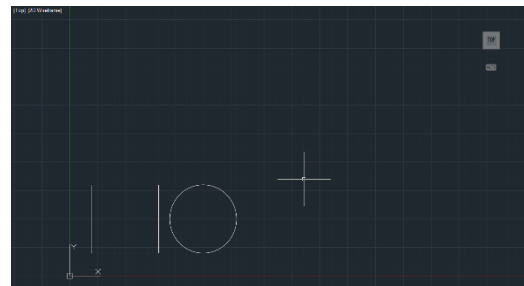


Figure 4. The drawing with the circle added.

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9. Your final task is to zoom and pan in the drawing. Using your mouse, zoom into the entities and pan to get them in the general center of the drawing editor.
  10. Save the drawing in a folder of your choice, name the file **Exercise1**.
  11. Close the File tab.
  12. Close the File tab for Ar House 1.dwg.

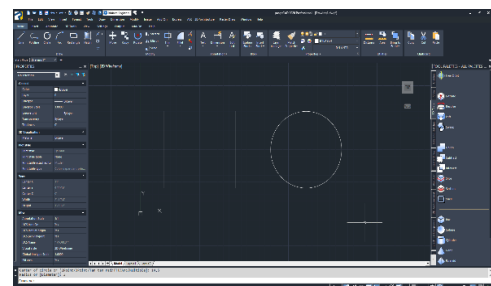


Figure 5. The finalized drawing.

