

Course code: CSE 4104
Course Name: Engineering Drawing Lab

Credit: .75
Semester: Winter

Lab 5
Name of Experiment: Array

1.1 Objective of this Lab

Objective of this lab is to learn how we can draw multiple objects at time and also how to make them a single unit.

Learning Outcomes

Upon completion of this lab you are expected to be able to-

- Create array of same type of object.

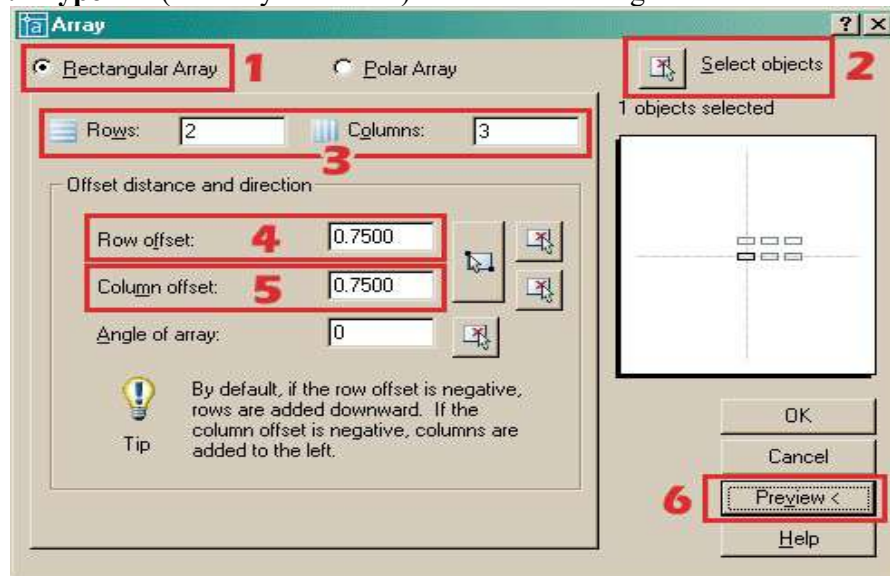
1.2 Topics

Today we will learn the following commands-

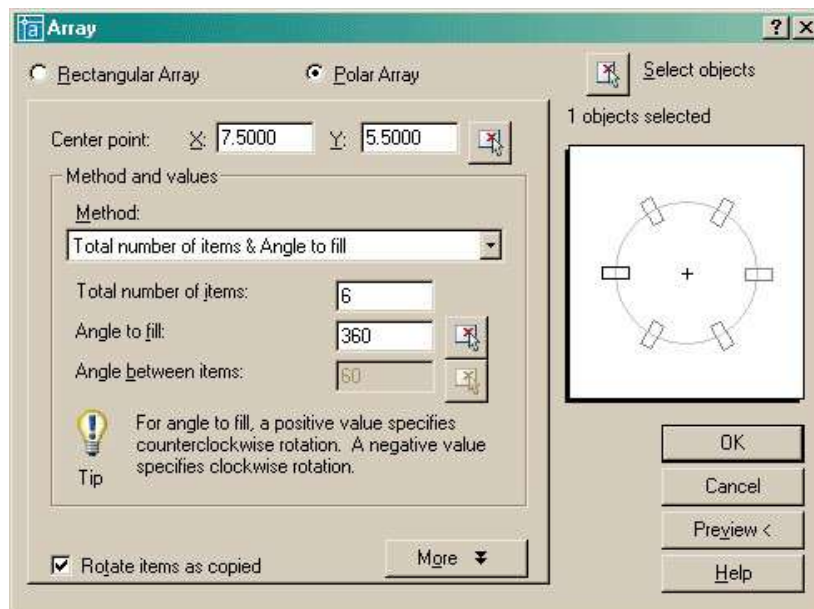
Commands	Shortcut
Array	Array/AR

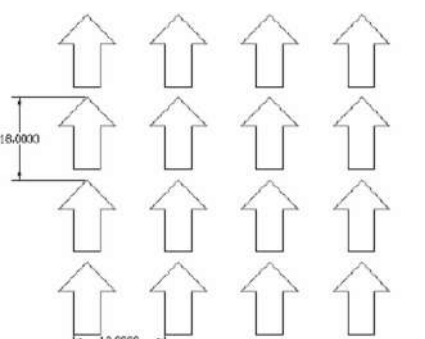
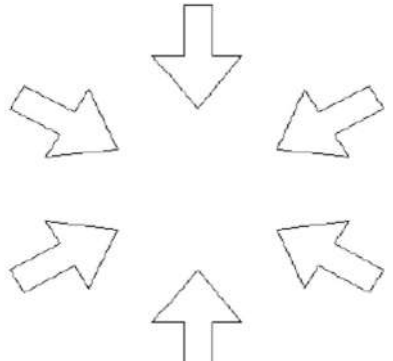
I. Array

1. Type AR (for array command). Look at the dialog box shown below:



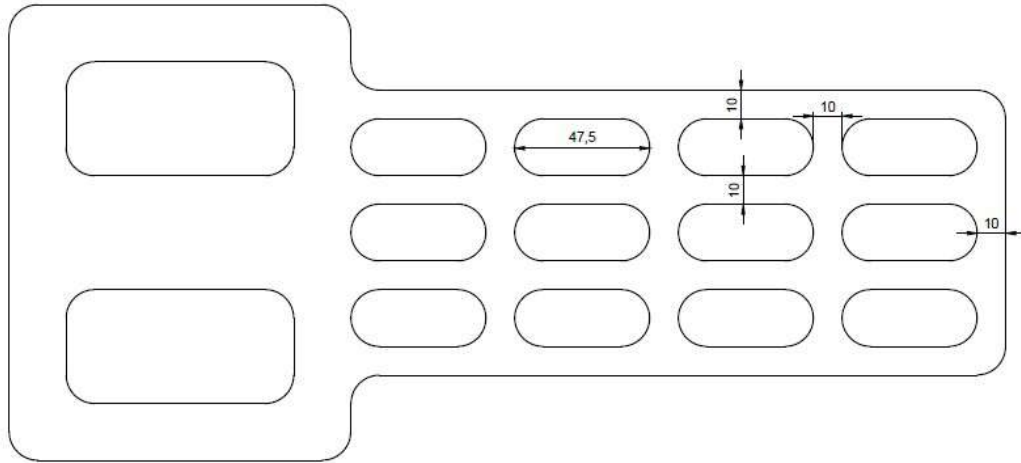
2. Start the **ARRAY** command again (this is for polar array)



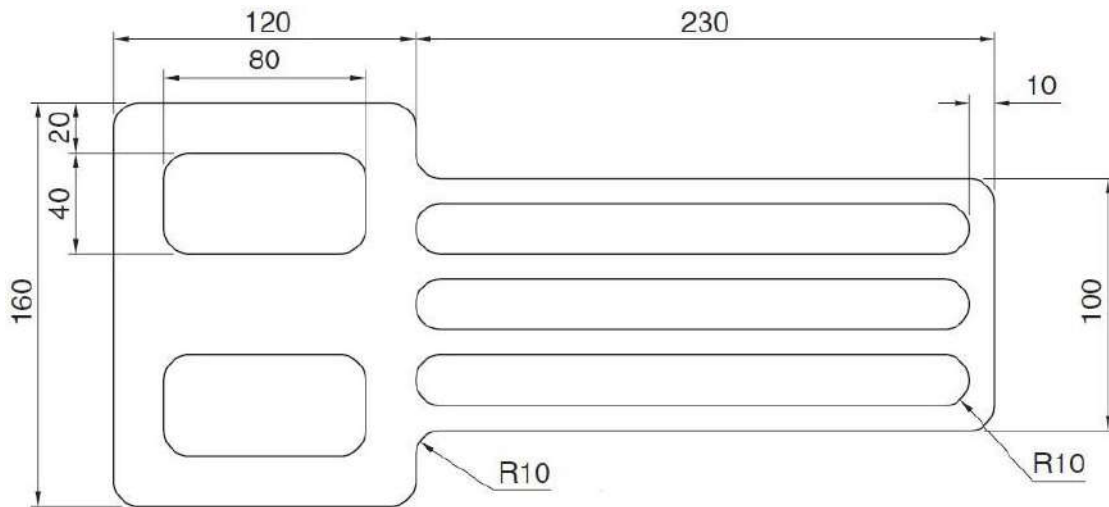
<p>Example of Rectangular Array</p>	 <p>A diagram showing a rectangular array of 16 arrows arranged in 4 rows and 4 columns. All arrows point upwards. Dimension lines indicate a vertical spacing of 18.0000 between the first and second rows, and a horizontal spacing of 13.0000 between the first and second columns.</p>
<p>Example of Polar Array</p>	 <p>A diagram showing a polar array of 6 arrows arranged in a circular pattern. The arrows point radially outwards from the center. The top arrow points down, the bottom arrow points up, the top-left arrow points down-left, the top-right arrow points down-right, the bottom-left arrow points up-left, and the bottom-right arrow points up-right.</p>

Task 1:

Use **ARRAY** command to draw the following:

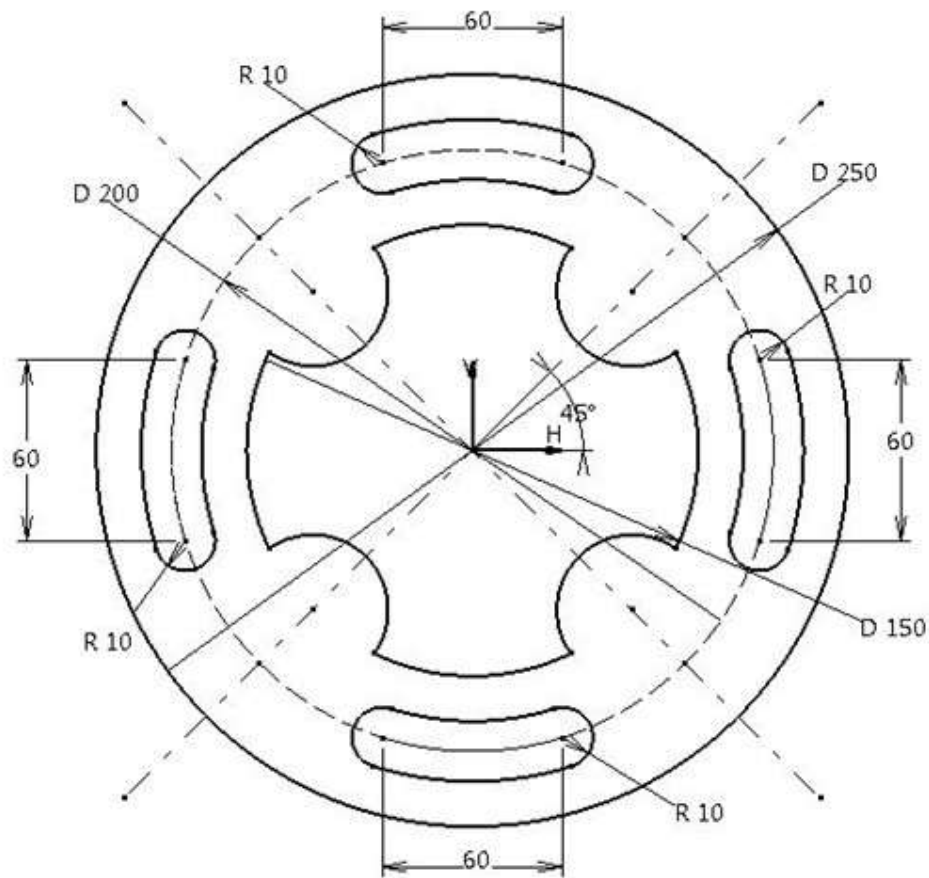


Use the figure from previous lab for different dimensions.

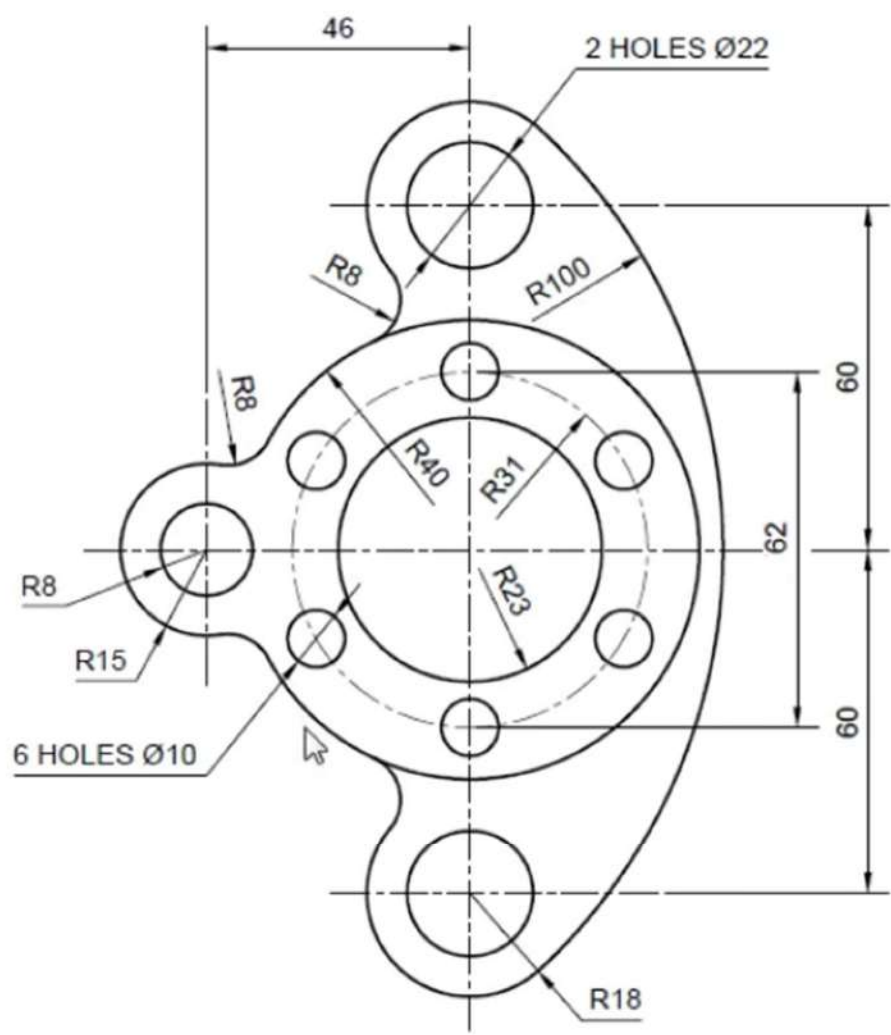


Task 2:

Use **ARRAY** command to draw the following:



Task 3:



Assignment:

