

Lab 3

Name of Experiment: Introduction to Edit Commands

3.1 Objective of this Lab

Objective of this lab is to learn how we can draw multiple line at time and also reshape the object by using trim and extend.

Learning Outcomes

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

- Draw parallel lines.
- Trim and extend objects.
- Create an offset by a set distance.

3.2 Topics

Today we will learn the following commands-

Command	Keystroke
Multi Lines	MLINE / ML
Trim	TRIM / TR
Extend	EXTEND / EX
Offset	OFFSET / O
Copy	Copy / CP
Move	Move / M

I. Command: **ml** <enter>

MLINE

Current settings: Justification = Top, Scale = 1.00, Style = STANDARD

Specify start point or [Justification/Scale/STyle]: **s** <enter>

Enter mline scale <1.00>: **.15**

Current settings: Justification = Top, Scale = 0.15, Style = STANDARD

Specify start point or [Justification/Scale/STyle]: **8,2** <enter>

Specify next point: @1.5,0 <enter>
Specify next point or [Undo]: @0,1.5 <enter>
Specify next point or [Close/Undo]: @-1.5,0 <enter>
Specify next point or [Close/Undo]: @0,-1.5 <enter>
Specify next point or [Close/Undo]: <enter>

II. Command: **TR** <enter>

TRIM

Current settings: Projection=UCS, Edge=None

Select cutting edges ...

Select objects: <Select the Horizontal line>1 found

Select objects: <enter>

Select object to trim or shift-select to extend or

[Fence/Crossing/Project/Edge/eRase/Undo]: <Select the vertical line>

Select object to trim or shift-select to extend or [Project/Edge/Undo]: <enter>

III. Command: **EX** <enter>

EXTEND

Current settings: Projection=UCS, Edge=None

Select boundary edges ...

Select objects: <Select the horizontal line> 1 found

Select objects: <enter>

Select object to extend or shift-select to trim or [Fence/Crossing/Project/Edge/Undo]:

<Select the top half of the vertical line>

Select object to extend or shift-select to trim or [Project/Edge/Undo]: <enter>

IV. Offset

Type OFFSET at the command prompt. Command:
 OFFSET or **O**

Type The distance to offset.
 Offset distance or <Through point>: (**number**)

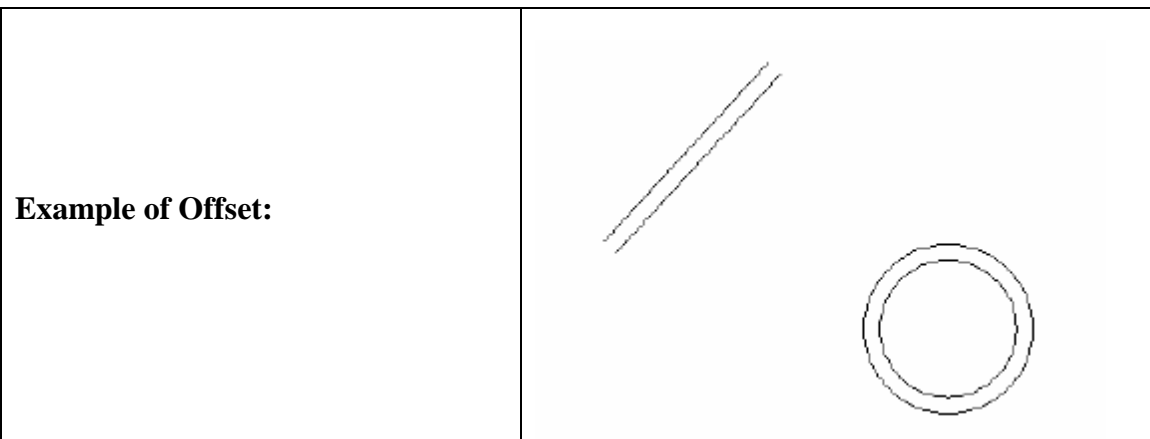
Pick The object to offset.
 Select object to offset: (**select object**)

Pick A side to offset object to. Side to offset: (**pick side**)

Pick Another object to offset
 Select object to offset: (**pick side**)

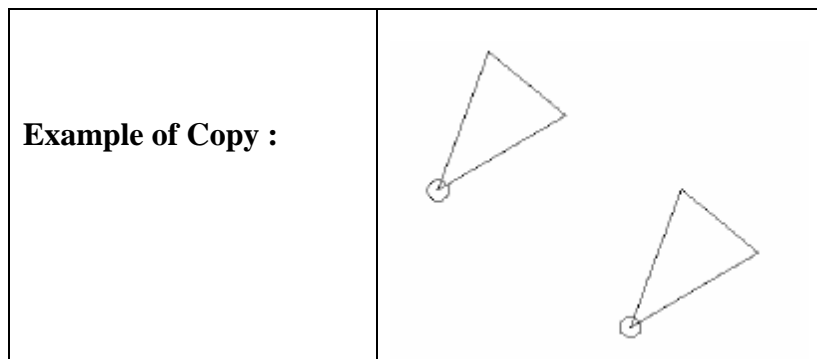
 or

Press Enter to end the command.



V. Copy

Type	COPY at the command prompt. Command: COPY or CP
Pick	Objects to copy. Select objects: (select)
Pick	A point to move from. Base point or displacement/Multiple: (pick point).
Pick	A point to copy to. Second point of displacement: (pick point) or
Type	A point to copy to. Second point of displacement: @ 1<0



To copy many objects in the same copy command, type M for Multiple at the “Base point or displacement/Multiple” option.

VI. Move

Type	MOVE at the command prompt Command: MOVE or M
Pick	Objects to move Select objects: (select)
Pick	A point to move from Base point or displacement: (pick point)
Pick	A point to move to Second point of displacement: (pick point)

3.3 Assignments:
Draw the following pictures using AutoCAD.

