
Lab #05

Objective: Understanding & Implementation of Drawings through Blocks.**EXERCISE #01:****COMMANDS:**

Command: pol

POLYGON Enter number of sides <4>: 5

Specify center of polygon or [Edge]: 2.5,1.5

Enter an option [Inscribed in circle/Circumscribed about circle] <I>: I

Specify radius of circle: 0.500

Command: block

Specify insertion base point:

Select objects: 1 found

Select objects:

Command: minsert

Enter block name or [?]: polygon

Units: Inches Conversion: 1.0000

Specify insertion point or [Basepoint/Scale/X/Y/Z/Rotate]:

Enter X scale factor, specify opposite corner, or [Corner/XYZ] <1>:

Enter Y scale factor <use X scale factor>:

Specify rotation angle <0>: 45

Enter number of rows (---) <1>: 4

Enter number of columns (|||) <1>: 4

Enter distance between rows or specify unit cell (---): 1.00

Specify distance between columns (|||): 1.00

Command: mtext

Current text style: "Standard" Text height: 0.2000

Specify first corner:

Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width]:

Command: mtext

Current text style: "Standard" Text height: 0.2000

Specify first corner:

Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width]:

Command: _dimaligned

Specify first extension line origin or <select object>:

Specify second extension line origin:

Non-associative dimension created.

Specify dimension line location or

[Mtext/Text/Angle]:

Dimension text = 1.0000

Command: line

Command: _line Specify first point:

Specify next point or [Undo]:

Command: _dimangular

Select arc, circle, line, or <specify vertex>:

Select second line:

Specify dimension arc line location or [Mtext/Text/Angle]:

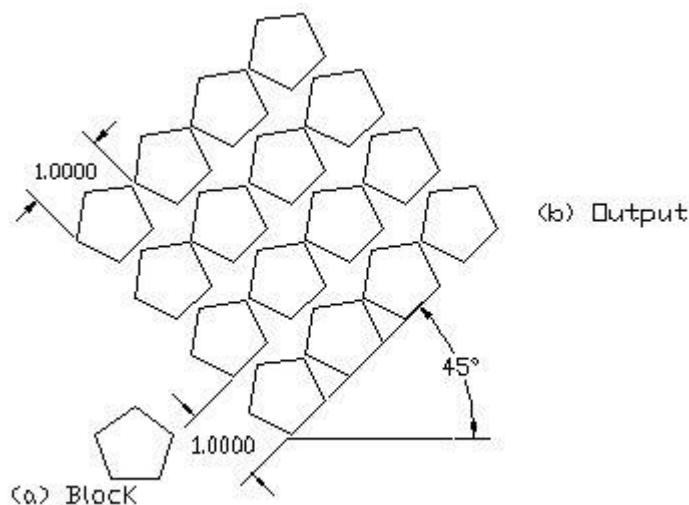
Dimension text = 45

Command: jpgout

Select objects or <all objects and viewports>: Specify opposite corner: 8 found

Select objects or <all objects and viewports>:

Output Drawing:



Exercise #02:

COMMANDS:

Command: circle

Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 3,2.5

Specify radius of circle or [Diameter]: 0.5000

Command: trim

Current settings: Projection=UCS, Edge=None

Select cutting edges ...

Select objects or <select all>: Specify opposite corner: 3 found

Select objects:

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

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

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

Command: Specify opposite corner:

Command: block

Specify insertion base point: Specify insertion base point:

Select objects: Specify opposite corner: 3 found

Command: insert

Specify insertion point or [Basepoint/Scale/X/Y/Z/Rotate]:

Command: insert

Specify insertion point or [Basepoint/Scale/X/Y/Z/Rotate]:

Command: copy

Select objects: 1 found

Select objects:

Specify base point or [Displacement] <Displacement>: Specify second point or
<use first point as displacement>

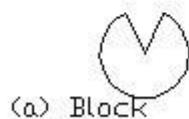
Specify second point or [Exit/Undo] <Exit>: *Cancel*

Command: rotate

Current positive angle in UCS: ANGDIR=counterclockwise ANGBASE=0

Select objects: 1 found
Select objects:
Specify base point:
Specify rotation angle or [Copy/Reference] <0>:
Command: mirror
Select objects: 1 found.
Specify first point of mirror line:
Specify second point of mirror line:
Erase source objects? [Yes/No] <N>: N
Command: copy
Select objects: 1 found
Select objects:
Specify base point or [Displacement] <Displacement>: Specify second point or <use first point as displacement>:
Specify second point or [Exit/Undo] <Exit>:
Specify second point or [Exit/Undo] <Exit>: *Cancel*
Command: rotate
Current positive angle in UCS: ANGDIR=counterclockwise ANGBASE=0
Select objects: 1 found
Select objects:
Specify base point:
Specify rotation angle or [Copy/Reference] <308>:
Command: rotate
Current positive angle in UCS: ANGDIR=counterclockwise ANGBASE=0
Select objects: 1 found
Select objects:
Specify base point:
Specify rotation angle or [Copy/Reference] <270>:
Command: mtext
Current text style: "Standard" Text height: 0.2000
Specify first corner:
Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width]:
Command: mtext
Current text style: "Standard" Text height: 0.2000
Specify first corner:
Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width]:
Command: jpgout
Select objects or <all objects and viewports>: Specify opposite corner: 9 found
Select objects or <all objects and viewports>:

Output Drawing:



(b) output generated

Exercise #03:

Commands:

Command: line

Specify first point: 3.5,1

Specify next point or [Undo]: @5,0

Command: line

Specify first point: 8.5,1

Specify next point or [Undo]: @0,7.5

Command: line

Specify first point: 8.5,1

Specify next point or [Undo]: @0,7.5

Command: line

Specify first point: 3.5,1

Specify next point or [Undo]: @0,7.5

Specify next point or [Undo]:

Command: circle

Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 6,1

Specify radius of circle or [Diameter]: 0.5

Command: trim

Current settings: Projection=UCS, Edge=None

Select cutting edges ...

Select objects or <select all>: 1 found

Select objects:

Select object to trim or shift-select to extend or

[Fence/Crossing/Project/Edge/eRase/Undo]:

Command: line

Specify first point: 5.6145,1.0143

Specify next point or [Undo]: @0.3555,0

Command: line

Specify first point: 6.2519,1.1613

Specify next point or [Undo]: @0,-0.3429

Command: line

Specify first point: 5,2.5

Specify next point or [Undo]: @2,0

Command: line

Specify first point: 7,2.5

Specify next point or [Undo]: @1.5,0

Command: line

Specify first point: 5,2.5

Specify next point or [Undo]: @-1.5,0

Command: line

Specify first point: 3.5,4

Specify next point or [Undo]: @5,0

Command: line

Specify first point: 5.7200,4.5104

Specify next point or [Undo]: @0,-1

Command: line

Specify first point: 6.2356,4.2804

Specify next point or [Undo]: @0,-0.5

Command: trim
Current settings: Projection=UCS, Edge=None
Select cutting edges ...
Select objects or <select all>: 1 found
Select objects: 1 found, 2 total
Select objects:
Select object to trim or shift-select to extend or
[Fence/Crossing/Project/Edge/eRase/Undo]:
Command: line
Specify first point: 5,8.5
Specify next point or [Undo]: @2,0
Command: copy
Select objects: 1 found
Select objects: 1 found, 2 total
Select objects: 1 found, 3 total
Select objects: 1 found, 4 total
Select objects:
Specify base point or [Displacement] <Displacement>: Specify second point or
<use first point as displacement>:
Command: line
Specify first point: 3.5,5.5
Specify next point or [Undo]: @1.6,0
Command: line
Specify first point: 6.9,5.5
Specify next point or [Undo]: @1.6,0
Command: circle
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 5.4,5.5
Specify radius of circle or [Diameter] <0.5000>: 0.300
Command: circle
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 5.7,5.5
Specify radius of circle or [Diameter] <0.3000>: 0.300
Command: circle
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 6,5.5
Specify radius of circle or [Diameter] <0.3000>: 0.300
Command: circle
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 6.3,5.5
Specify radius of circle or [Diameter] <0.3000>: 0.300
Command: circle
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 6.6,5.5
Specify radius of circle or [Diameter] <0.3000>: 0.300
Command: trim
Current settings: Projection=UCS, Edge=None
Select cutting edges ...
Select objects or <select all>: Specify opposite corner: 5 found
Select objects:
Select object to trim or shift-select to extend or
[Fence/Crossing/Project/Edge/eRase/Undo]:

Select object to trim or shift-select to extend or
[Fence/Crossing/Project/Edge/eRase/Undo]: _u
Command has been completely undone.
Select object to trim or shift-select to extend or
[Fence/Crossing/Project/Edge/eRase/Undo]: Specify opposite corner:
Select object to trim or shift-select to extend or
[Fence/Crossing/Project/Edge/eRase/Undo]:
Command: copy
Select objects: 1 found
Select objects: 1 found, 2 total
Select objects: 1 found (1 duplicate), 2 total
Select objects: Specify opposite corner: 7 found (1 duplicate), 8 total
Select objects: Specify opposite corner: 0 found
Select objects: 1 found, 9 total
Select objects:
Specify base point or [Displacement] <Displacement>: Specify second point or
<use first point as displacement>:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: line
Specify first point:
Specify next point or [Undo]:
Command: dimradius
Select arc or circle:
Dimension text = 0.3000
Specify dimension line location or [Mtext/Text/Angle]:
Command:
Command:
Command: dimaligned
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 7.5000

Command: dimaligned

Specify first extension line origin or <select object>:

Specify second extension line origin:

Specify dimension line location or

[Mtext/Text/Angle]:

Dimension text = 5.0000

Command: dimradius

Select arc or circle:

Dimension text = 0.3000

Specify dimension line location or [Mtext/Text/Angle]:

Output Drawing:

