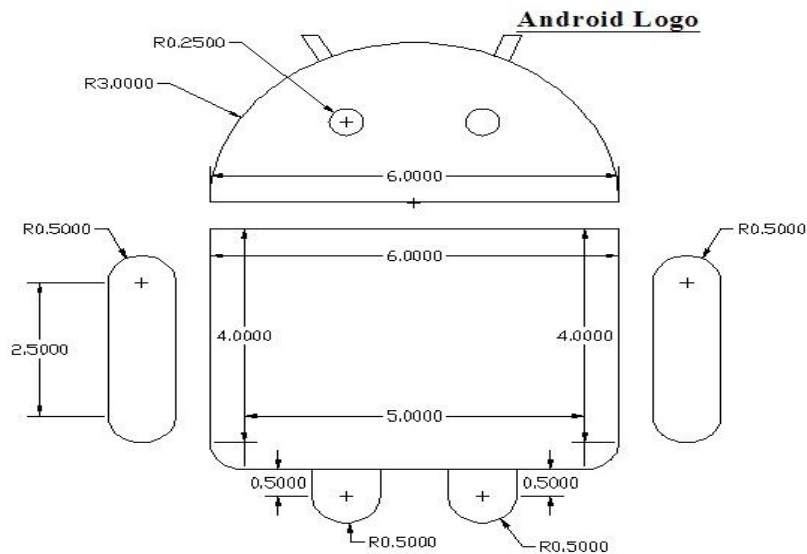# Lab #02

Objective: Understanding & implementation of Line, Circle, Trim, and offset commands.

Exercise #01: Create the given drawing of a company logo using circle, trim and offset command.

COMMANDS:

Command: LINE
Specify first point: 5.5,0.5
Specify next point or [Undo]: 10.5,0.5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 5,1
Specify next point or [Undo]: 5,5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: OFFSET
Select object to offset or [Exit/Undo] <Exit>:
Specify through point or [Exit/Undo] <Exit>: 11,1
Select object to offset or [Exit/Undo] <Exit>: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 5,5
Specify next point or [Undo]: 11,5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.0000
Select first object or [Radius]:
Select second object or [Radius]: r
Specify fillet radius <0.0000>: 0.5
Select second object or [Radius]:
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: 0.5
Select first object or [Radius]:

Select second object or [Radius]:
Command: LINE
Specify first point: 4.5,4
Specify next point or [Undo]: 4.5,1.5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 3.5,1.5
Specify next point or [Undo]: 3.5,4
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: OFFSET
Current settings: Erase source=No Layer=Source OFFSETGAPTYPE=0
Specify offset distance or [Through] <Through>: Through
Select object to offset or [Exit/Undo] <Exit>:
Specify through point or [Exit/Undo] <Exit>: 11.5,1.5
Select object to offset or [Exit/Undo] <Exit>:
Specify through point or [Exit/Undo] <Exit>: 12.5,1.5
Select object to offset or [Exit/Undo] <Exit>: *Cancel*
(2)Command: *Cancel*
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: 0.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: o.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: 0.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.4000>: 0.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: LINE
Specify first point: 5.5,0.5
Specify next point or [Undo]: 5.5,0
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: OFFSET
Current settings: Erase source=No Layer=Source OFFSETGAPTYPE=0
Select object to offset or [Exit/Undo] <Exit>:
Specify through point or [Exit/Undo] <Exit>: 6.5,0.5
Select object to offset or [Exit/Undo] <Exit>:
Specify through point or [Exit/Undo] <Exit>: 9.5,0.5
Select object to offset or [Exit/Undo] <Exit>:

Specify through point or [Exit/Undo] <Exit>: 10.5,0.5
Select object to offset or [Exit/Undo] <Exit>: *Cancel*
(2)Command: *Cancel*
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: 0.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: FILLET
Current settings: Mode = TRIM, Radius = 0.5000
Select first object or [Radius]: r
Specify fillet radius <0.5000>: 0.5
Select first object or [Radius]:
Select second object or [Radius]:
Command: LINE
Specify first point: 5,5.5
Specify next point or [Undo]: 11,5.5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 7.2667,5.4668
Specify next point or [Undo]: 7.7667,5.4668
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 7.5004,5.7256
Specify next point or [Undo]: @0,-0.5
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 3.8309,3.9981
Specify next point or [Undo]: @0.3,0
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 3.9711,4.1848
Specify next point or [Undo]: @0,-0.3
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 5.7942,0.0061
Specify next point or [Undo]: @0.3,0
Specify next point or [Undo]: @0.1,0.0
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 10.0012,0.1929
Specify next point or [Undo]: @0,-0.3
Specify next point or [Undo]: @0,-0.1
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 9.7909,0.0061
Specify next point or [Undo]: @0.3,0
Specify next point or [Undo]: @0.1,0

Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 11.8009,3.9981
Specify next point or [Undo]: @0.3,0
Specify next point or [Undo]: @0.1,0
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 11.9879,4.1382
Specify next point or [Undo]: @0,-0.3
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: CIRCLE
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 2p
Specify first end point of circle's diameter: 5,5.5
Specify second end point of circle's diameter: 11,5.5
Command: TRIM
Current settings: Projection=UCS, Edge=None, Mode=Quick
Select object to trim or shift-select to extend or
[cuTting edges/Crossing/mOde/Project/eRase]:
Select cutting edges ...
Select objects or <select all>:
Select object to trim or shift-select to extend or
[cuTting edges/Crossing/mOde/Project/eRase]:
Select object to trim or shift-select to extend or
[cuTting edges/Crossing/mOde/Project/eRase/Undo]:*Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 7.7575,5.4688
Specify next point or [Undo]: @0.3,0
Specify next point or [Undo]: @0.1,0
Specify next point or [Close/Undo]: @0.1,0
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 7.9912,5.6789
Specify next point or [Undo]: @0,-0.3
Specify next point or [Undo]: @0,-0.1
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 6.0980,7.8033
Specify next point or [Undo]: 5.5137,8.4570
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 6.3551,7.9901
Specify next point or [Undo]: 6.0046,8.4570
Specify next point or [Undo]: 5.5173,8.4570
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 9.6731,7.9901
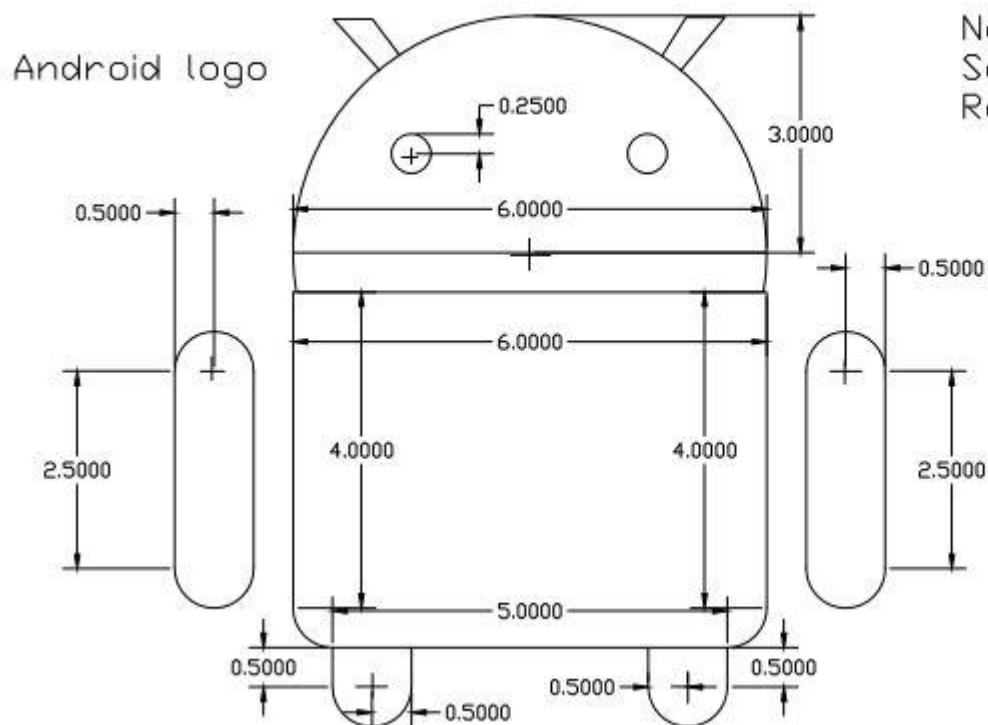Specify next point or [Undo]: 9.9779,8.4803
Specify next point or [Undo]: 10.4687,8.4803

Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
Command: LINE
Specify first point: 9.9078,7.8033
Specify next point or [Undo]: 10.4687,8.4803
Specify next point or [Undo]: *Cancel*
(2)Command: *Cancel*
Command: CIRCLE
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 6.4954,6.7528
Specify radius of circle or [Diameter] <3.0000>: 0.2500
Command: CIRCLE
Specify center point for circle or [3P/2P/Ttr (tan tan radius)]: 9.4870,6.7528
Specify radius of circle or [Diameter] <0.2500>: 0.2500
Command: LINE
Specify first point: 6.4954,6.8228
(2)Specify next point or [Undo]: @0,-0.1
Specify next point or [Close/Undo]: *Cancel*
(2)Command: *Cancel*
DIMLINEAR
Specify first extension line origin or <select object>: 3.5,1.5
Specify second extension line origin: 3.5,4
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 2.5000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 5.5,0.5
Specify second extension line origin: 10.5,0.5
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 5.0000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 5,1
Specify second extension line origin: 5,5
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 4.0000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 11,1
Specify second extension line origin: 11,5
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 4.0000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 5,5
Specify second extension line origin: 11,5
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 6.0000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 12.5,1.5
Specify second extension line origin: 12.5,4

Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 2.5000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 5,5.5
Specify second extension line origin: 11,5.5
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 6.0000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 5.5,0.5
Specify second extension line origin: 5.5,0
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 0.5000
Command: DIMLINEAR
Specify first extension line origin or <select object>: 10.5,0.5
Specify second extension line origin: 10.5,0
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 = 3.0000
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 = 0.2500
Command: MTEXT
Current text style: "Standard" Text height: 0.2000 Annotative: No
Specify first corner: 1.49,8
Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width/Columns]: 5,6.2
Command: MTEXT
Current text style: "Standard" Text height: 0.2000 Annotative: No
Specify first corner: 13.5,8.5
Specify opposite corner or [Height/Justify/Line spacing/Rotation/Style/Width/Columns]: 20,6
Command:MTEDIT
Non-associative dimension created.
Specify dimension line location or
[Mtext/Text/Angle/Horizontal/Vertical/Rotated]:
Dimension text = 0.5000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 0.5000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or

[Mtext/Text/Angle]:
Dimension text = 0.5000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 0.5000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 0.5000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 3.0000
DIMALIGNED
Specify first extension line origin or <select object>:
Specify second extension line origin:
Specify dimension line location or
[Mtext/Text/Angle]:
Dimension text = 0.2500

Output Drawing: