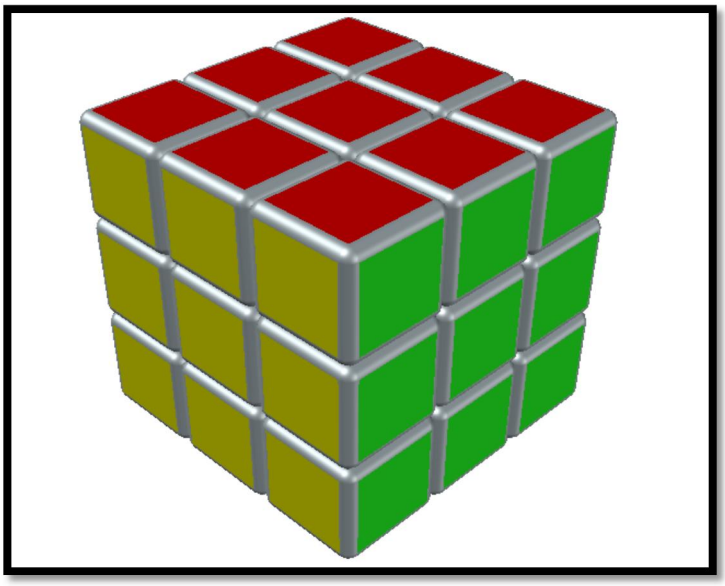
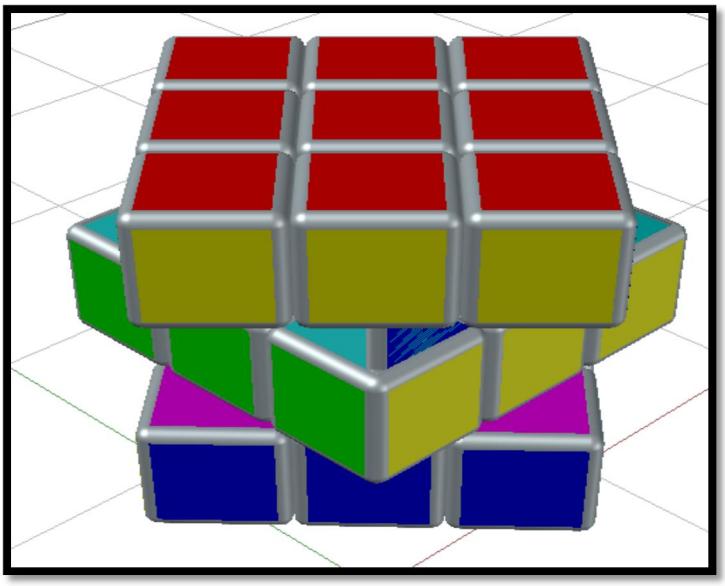
Task 1 :



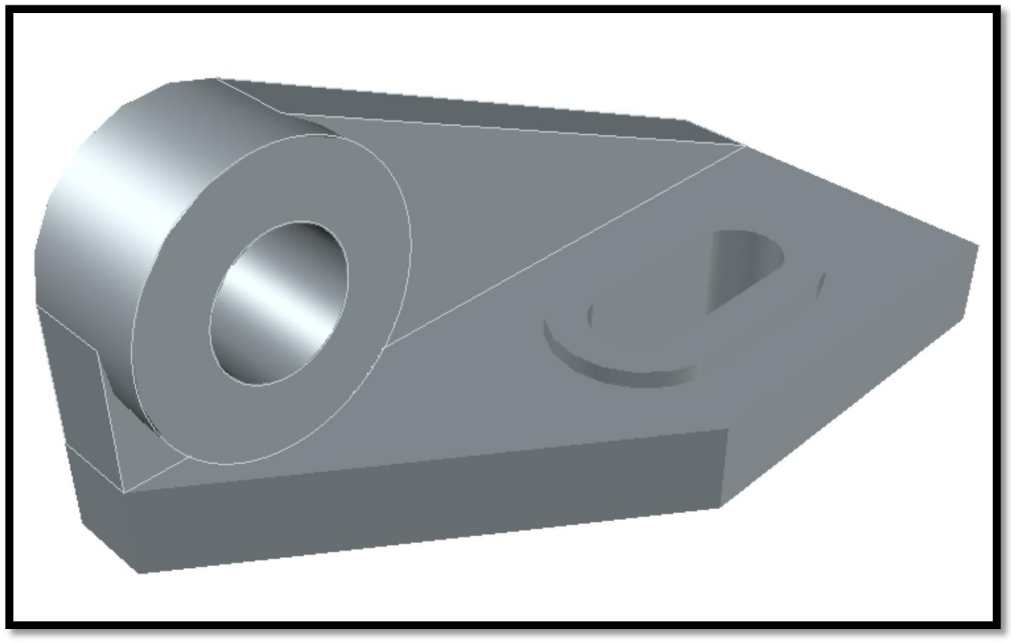


Commands :

Opening an AutoCAD 2018 format file. AutoCAD menu utilities loaded. AutoCAD Electrical menu utilities loaded.*Cancel* Command: Autodesk DWG. This file is a TrustedDWG last saved by an Autodesk application or Autodesk licensed application. Command: _.erase 1 found Command: *Cancel* Command: _qsave Command: _rectang Specify first corner point or [Chamfer/Elevation/Fillet/Thickness/Width]: Resuming RECTANG command. Specify first corner point or [Chamfer/Elevation/Fillet/Thickness/Width]: Specify other corner point or [Area/Dimensions/Rotation]: d Specify length for rectangles <10.0000>: 5 Specify width for rectangles <10.0000>: 5 Specify other corner point or [Area/Dimensions/Rotation]: Point or option keyword required. Specify other corner point or [Area/Dimensions/Rotation]: Command: EXT EXTRUDE Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command.	Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid Select objects to extrude or [MOde]: 1 found Select objects to extrude or [MOde]: Specify height of extrusion or [Direction/Path/Taper angle/Expression] <5.0000>: 5 Command: Command: FILLETEDGE Radius = 0.5000 Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: Resuming FILLETEDGE command. Select an edge or [Chain/Loop/Radius]: r Command: Command:

Enter fillet radius or [Expression] <0.5000>: 0.5 Select an edge or [Chain/Loop/Radius]: 12 edge(s) selected for fillet. Press Enter to accept the fillet or [Radius]: Command: *Cancel* Command: EXPLODE Select objects: Specify opposite corner: 1 found Select objects: Command: *Cancel* Command: *Cancel* Command: UNION Select objects: Specify opposite corner: 26 found Select objects: Command: *Cancel* Command: ARRAY Select objects: Specify opposite corner: 7 found Select objects: Enter array type [Rectangular/PAth/POlar] <Rectangular>: Type = Rectangular Associative = Yes Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Select grip to edit array or [ASsociative/Base point/COUnt/Spacing/COLumns/Rows/Levels/eXit]<eXit>: Command: Command: Command: _qsave	

Task 2 :



Commands :

Select source object or multiple objects to join at once:
Specify opposite corner: 5 found
Select objects to join:
4 objects joined into 1 spline, 1 object discarded from the operation
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: *Cancel*
Command: *Cancel*
Command:
Command:
Command:
Command: _copyclip 1 found
Command:
Command:
Command: _pasteclip Specify insertion point:
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]:
Command: m
MOVE 1 found
Specify base point or [Displacement] <Displacement>:
Specify second point or <use first point as displacement>:
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: _u '3DORBIT GROUP
Command: _u MOVE
Command:
Command: *Cancel*
Command:
Command: *Cancel*
Command: m
MOVE
Select objects: 1 found
Select objects:
Specify base point or [Displacement] <Displacement>:
Cancel
Command: *Cancel*
Command: m
MOVE
Select objects: 1 found
Select objects:
Specify base point or [Displacement] <Displacement>:
Specify second point or <use first point as displacement>:
Command:
Press ESC or ENTER to exit, or right-click to display

Specify stretch point or [Base point/Copy/Undo/eXit]:*Cancel*
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: *Cancel*
Command:
Command: _.erase 1 found
Command: *Cancel*
Command:
Command: *Cancel*
Command:
Command: EXT
EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <16.0000>: 16
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <16.0000>:
Command: *Cancel*
Command: _u EXTRUDE
Command:
Command: EXT
EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <19.0000>: 22
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: SUBTRACT
Select solids, surfaces, and regions to subtract from ..
Select objects: 1 found
Select objects:
Select solids, surfaces, and regions to subtract ..
Select objects: 1 found
Select objects:
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Specify stretch point or [Base point/Copy/Undo/eXit]:*Cancel*
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.

shortcut-menu.
Command:
Command:
Command: *Cancel*
Command:
Command:
** STRETCH **
Command: *Cancel*
Command: '3DORBIT
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: SUBTRACT
Select solids, surfaces, and regions to subtract from ..
Select objects: 1 found
Select objects:
Select solids, surfaces, and regions to subtract ..
Select objects: *Cancel*
Command: _u SUBTRACT
Command: _u '3DORBIT
Command: _u '3DORBIT GROUP
Command: _u SUBTRACT
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: SUBTRACT
Select solids, surfaces, and regions to subtract from ..
Select objects: 1 found
Select objects:
Select solids, surfaces, and regions to subtract ..
Select objects: 1 found
Select objects:
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: *Cancel*
Command: Specify corner of window, enter a scale factor (nX or nXP), or [All/Extents/Window/Previous/Object] <real time>:
Command: _u 'ZOOM GROUP
Command: _u '3DORBIT GROUP
Command: _u '3DORBIT GROUP
Command: _u '3DORBIT GROUP
Command: _u EXPLODE

Command: *Cancel*
Command:
Command: _.erase 1 found
Command: *Cancel*
Command:
Command: *Cancel*
Command:
Command: EXT
EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <16.0000>: 16
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <16.0000>:
Command: *Cancel*
Command: _u EXTRUDE
Command:
Command: EXT
EXTRUDE
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
1 found
Specify height of extrusion or [Direction/Path/Taper angle/Expression] <19.0000>: 22
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: SUBTRACT
Select solids, surfaces, and regions to subtract from ..
Select objects: 1 found
Select objects:
Select solids, surfaces, and regions to subtract ..
Select objects: 1 found
Select objects:
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: _u '3DORBIT GROUP
Command: _u SUBTRACT
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command:
Command: *Cancel*
Command:
Command: EXPLODE
1 found
Command:
Command: _.erase 1 found
Command: _u ERASE

Command: _u '3DORBIT GROUP
x
Select cross sections in lofting order or [POint/Join multiple edges/MOde]: Specify opposite corner:
Selected profile cannot be a multi-face surface or region.
The selected entities are not valid.
Selected cross section is not a valid type.
Selected profile cannot be a multi-face surface or region.
The selected entities are not valid.
Cross-section curves must be all open or all closed.
Cross-section curves must be all open or all closed.
Cross-section curves must be all open or all closed.
Cannot create a solid from open cross sections.
Cross-section curves must be all open or all closed.
Cannot create a solid from open cross sections.16 found
7 were filtered out
Select cross sections in lofting order or [POint/Join multiple edges/MOde]:
9 cross sections selected
Enter an option [Guides/Path/Cross sections only/Settings/COntinuity/Bulge magnitude] <Cross sections only>:
The selected entities are not valid.
Command:
LOFT
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
Select cross sections in lofting order or [POint/Join multiple edges/MOde]:
At least two profiles must be selected.
Command:
LOFT
Current wire frame density: ISOLINES=4, Closed profiles creation mode = Solid
Select cross sections in lofting order or [POint/Join multiple edges/MOde]:
At least two profiles must be selected.
At least two profiles must be selected.
Command: *Cancel*
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]:
Command: JOIN
16 found
0 objects joined, 15 objects discarded from the operation
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.
Command: Specify corner of window, enter a scale factor (nX or nXP), or [All/Extents/Window/Previous/Object] <real time>:
Command:
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: *Cancel*
Command:
Press ESC or ENTER to exit, or right-click to display shortcut-menu.

Command: *Cancel*
Command: *Cancel*
Command: <Switching to: Layout1>
Regenerating layout.
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: _.MSPACE
Command: Specify corner of window, enter a scale factor (nX or nXP), or [All/Extents/Window/Previous/Object] <real time>:
Command:
Command:
Command: _.PSPACE
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: _.MSPACE
Command:
Command: _.PSPACE
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]:
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: _.MSPACE
Command: <Grid off>
Command:
Command:
Command: _PLOT Effective plotting area: 210.00 wide by 297.00 high
Effective plotting area: 155.96 wide by 205.53 high
Plotting viewport 1.
Command: _.PSPACE
Command:
Press ESC or ENTER to exit, or right-click to display shortcut menu.
Command: Specify opposite corner or [Fence/WPolygon/CPolygon]: *Cancel*
Command: _.MSPACE
Command:
Command: _.PSPACE
Command:
Command:
Command: _qsave