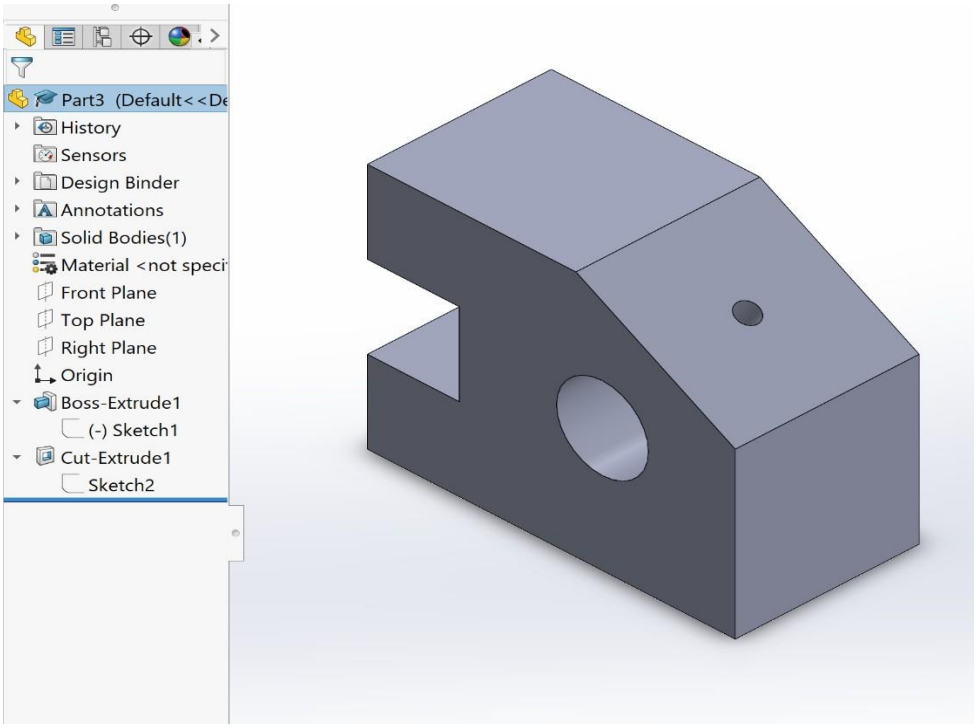
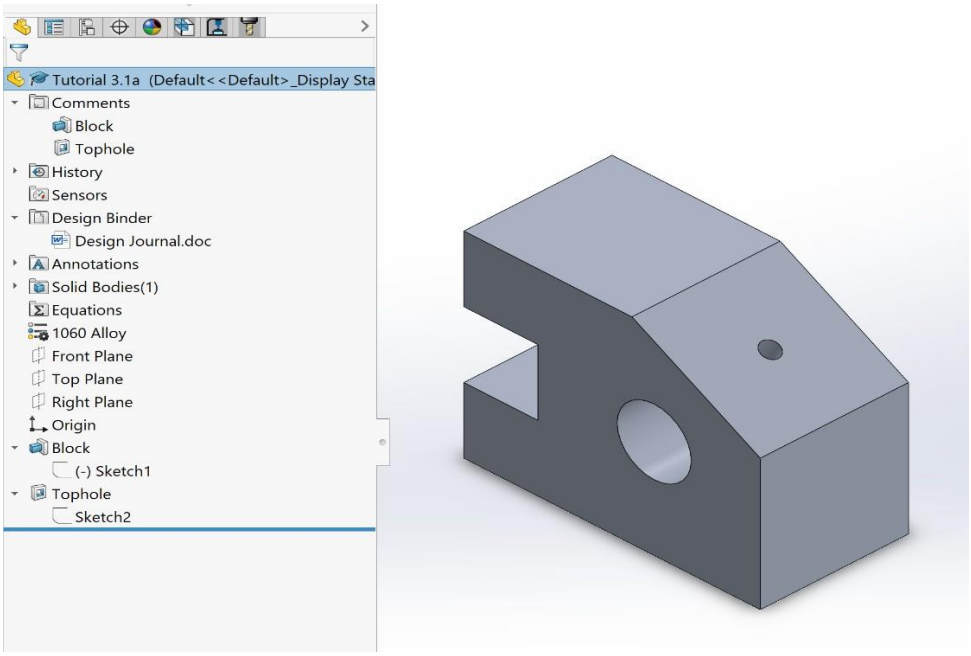
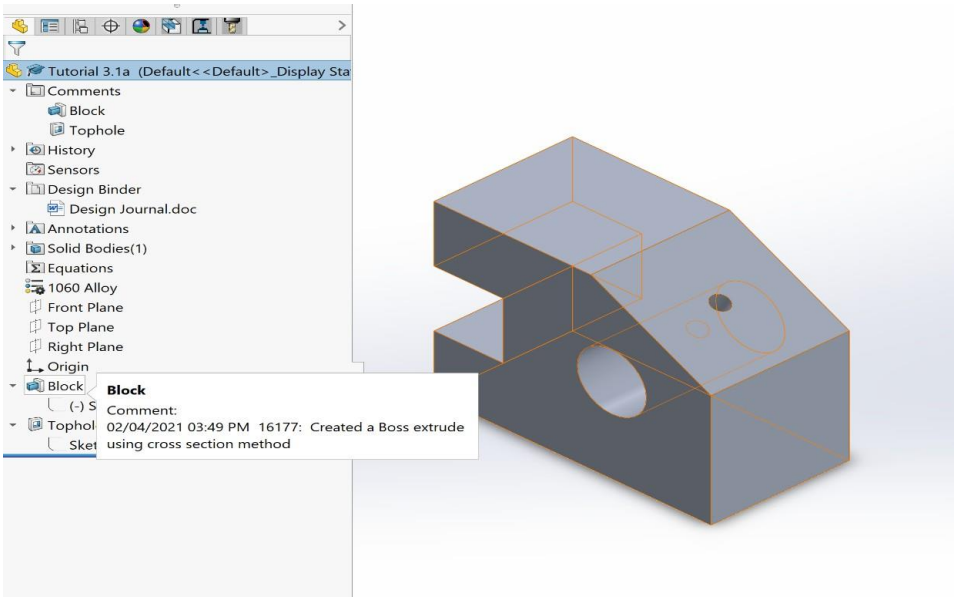
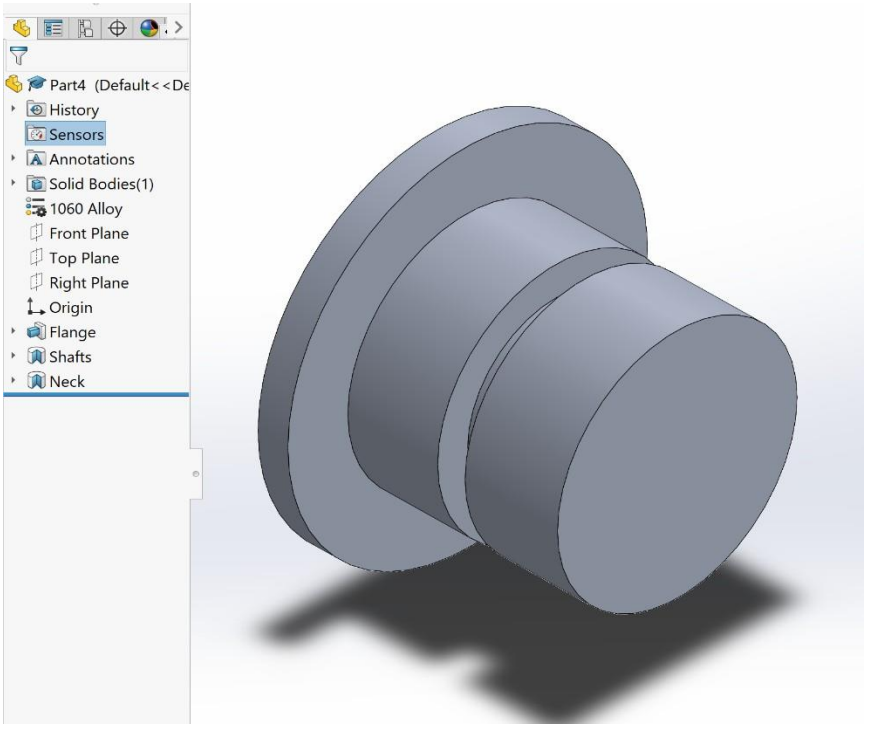
Part Design


Part3 (Default<<De
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
(-) Sketch1
Cut-Extrude1
Sketch2

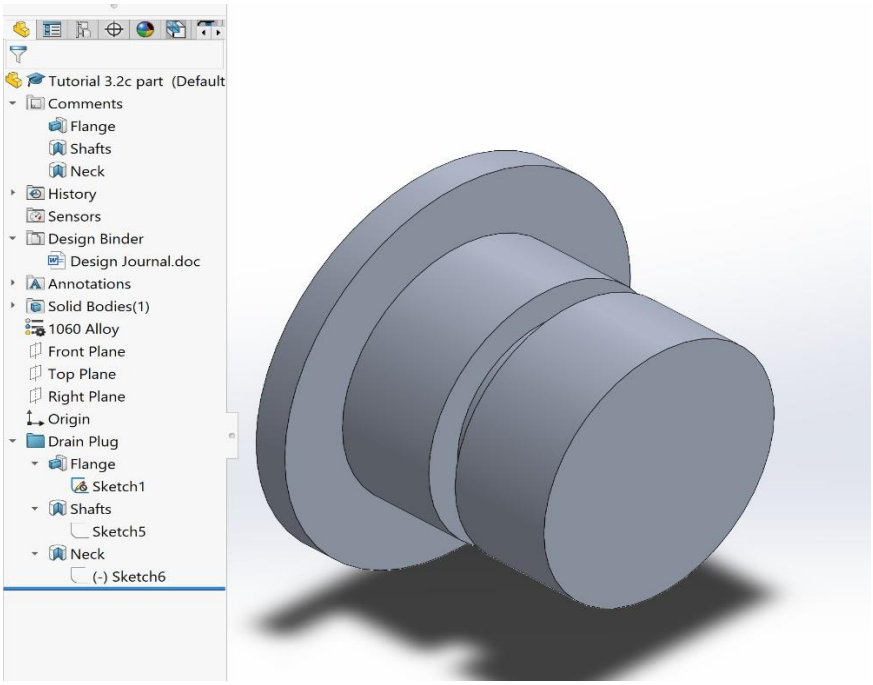

Tutorial 3.1a (Default<<Default>_Display Sta
Comments
Block
Tophole
History
Sensors
Design Binder
Design Journal.doc
Annotations
Solid Bodies(1)
Equations
1060 Alloy
Front Plane
Top Plane
Right Plane
Origin
Block
(-) Sketch1
Tophole
Sketch2



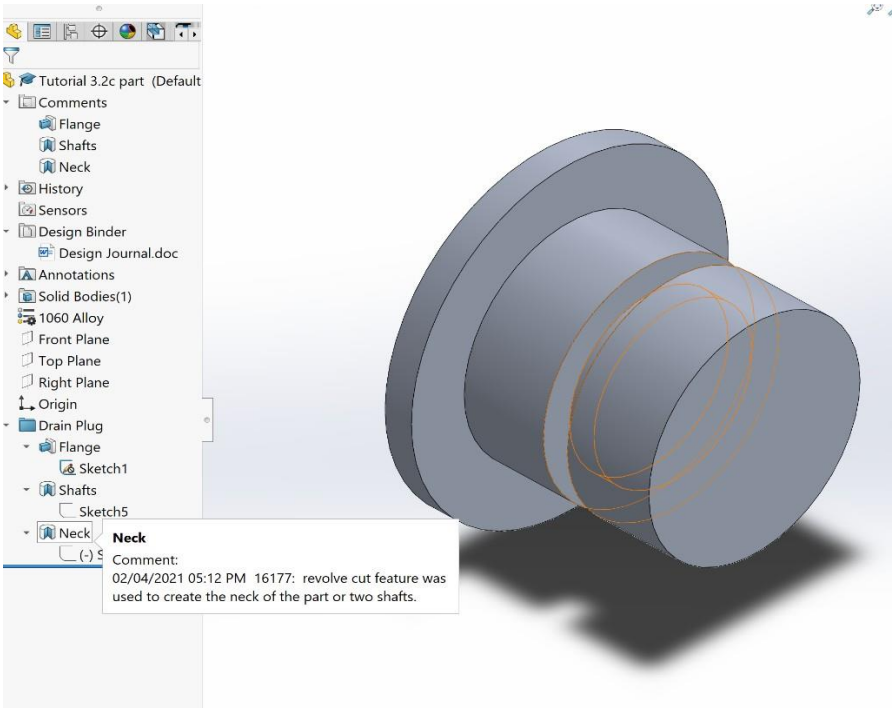
Before giving design intents



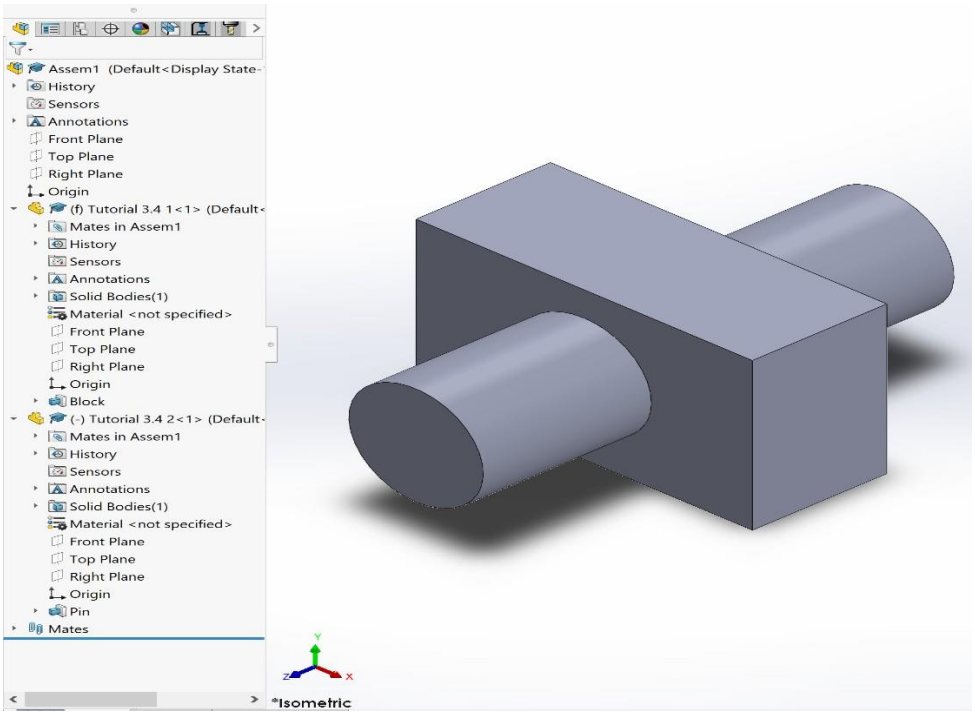
After giving Design Intents



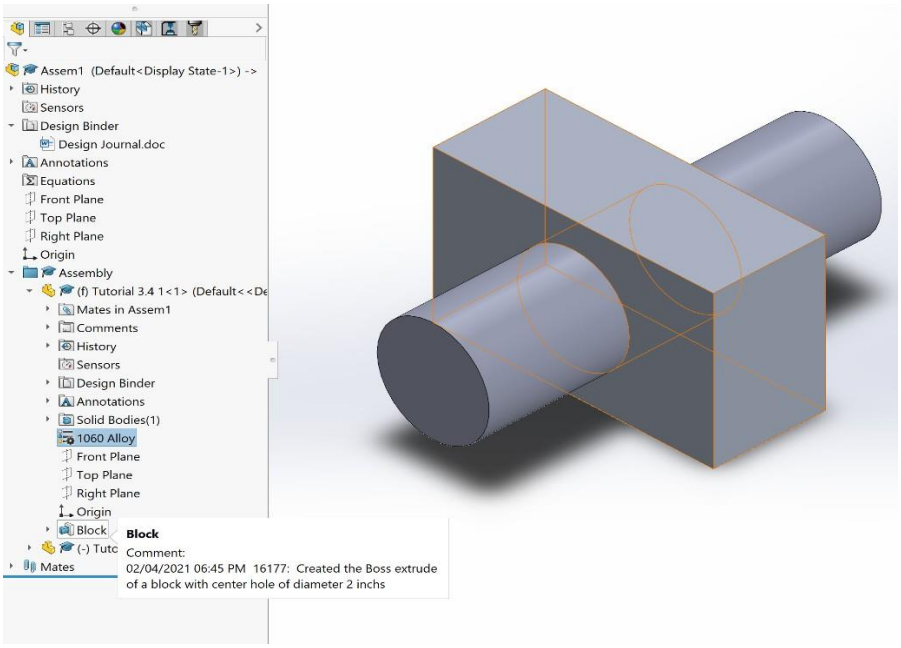
Design Intents in detail



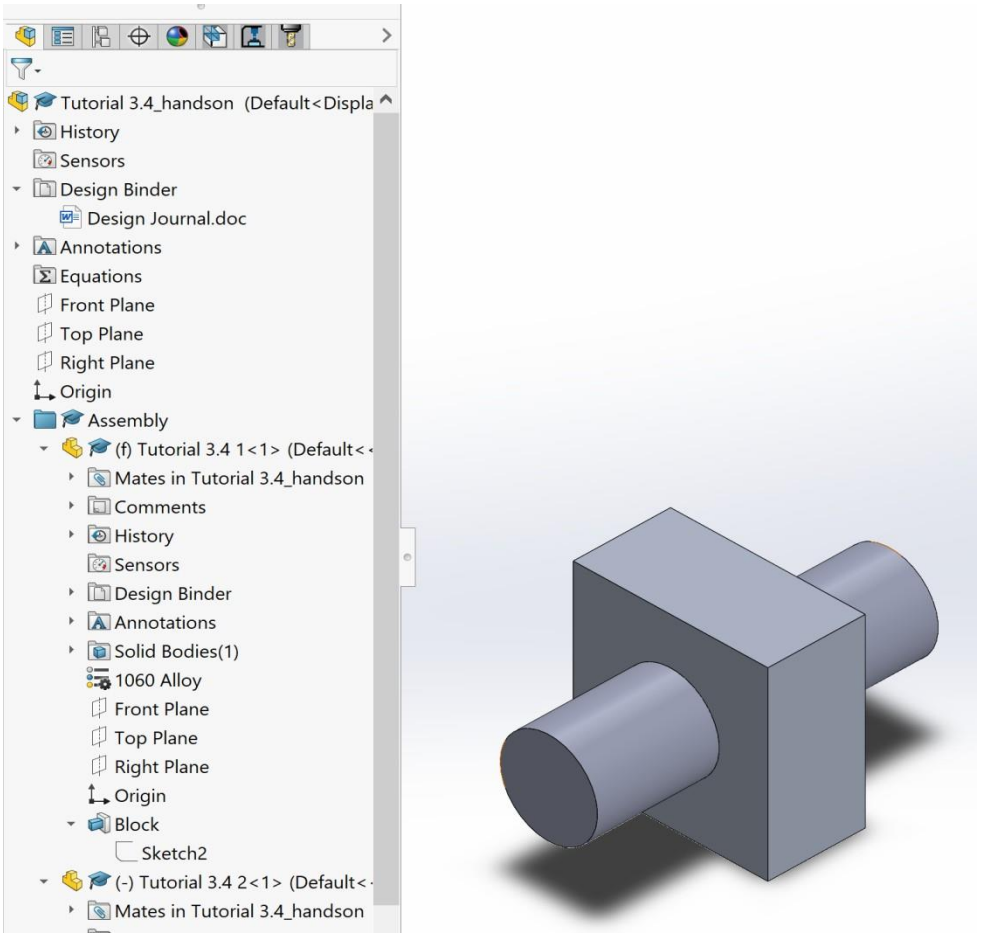
Before Design Intent



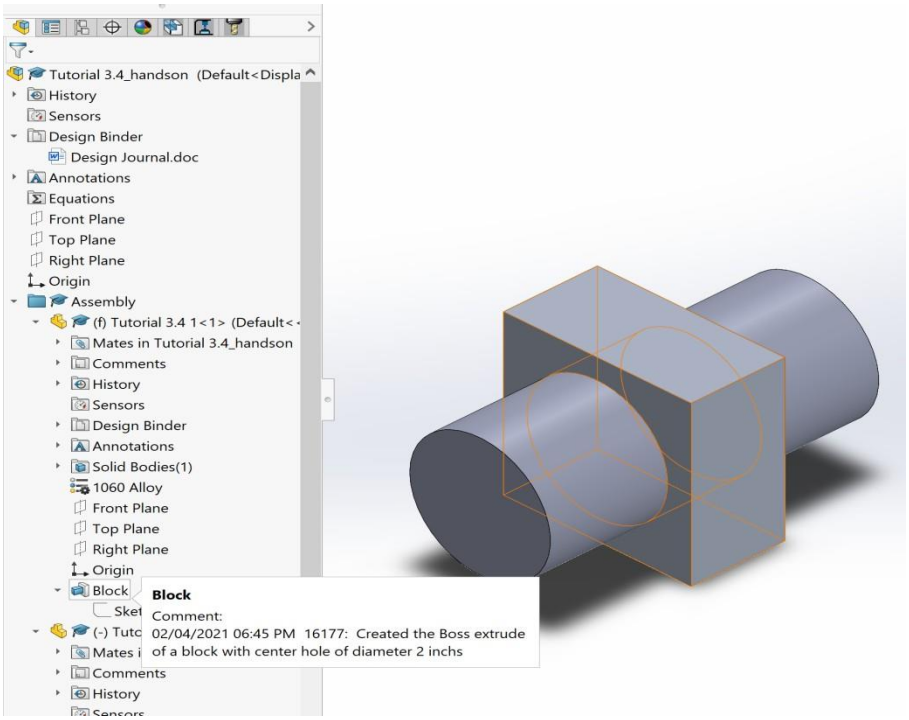
After Design Intent



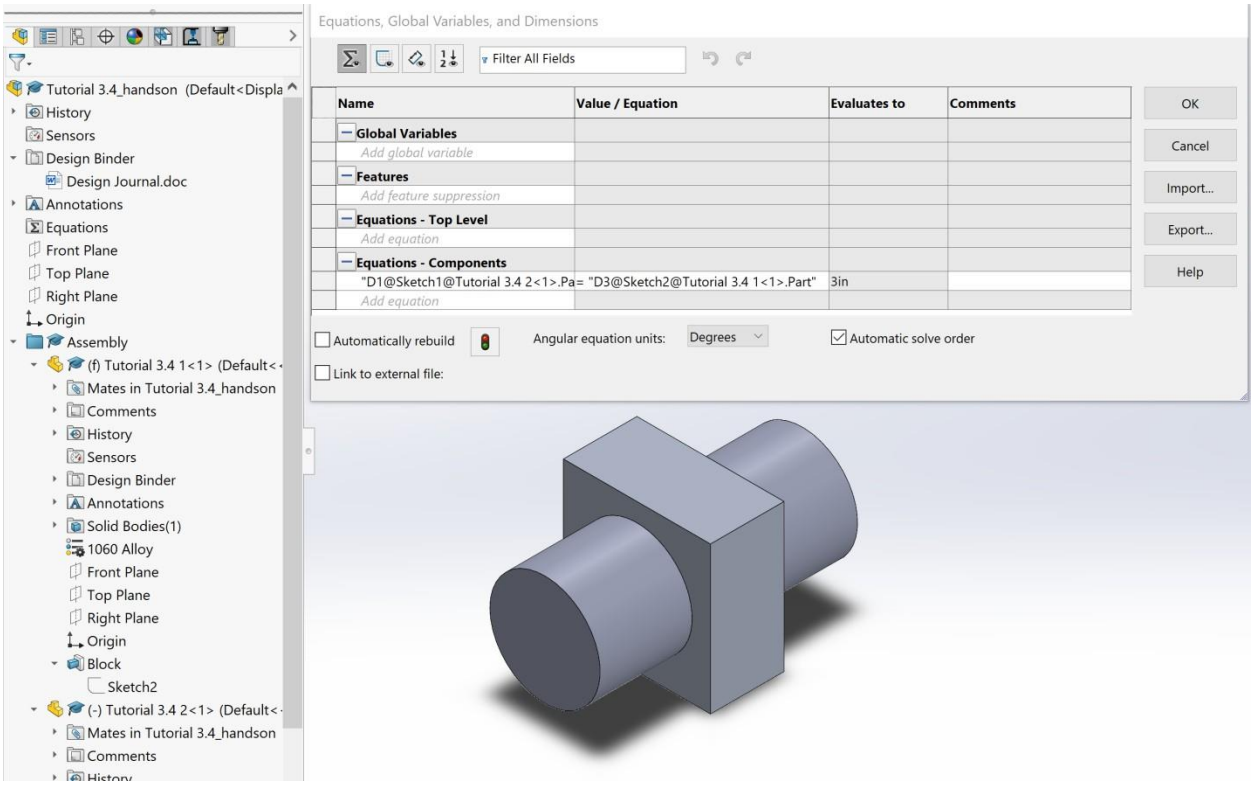
Block size 4x4 and with shaft and hole dia = 2 inch



Dia = 3 inchs

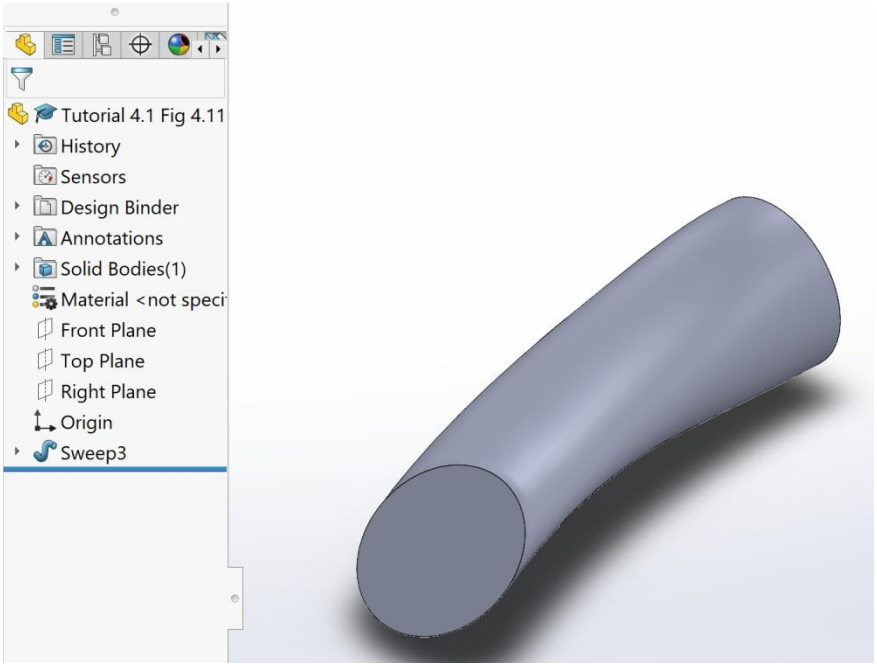


Showing the equations, design intents for the hands-on with shaft and hole dia=3 inch

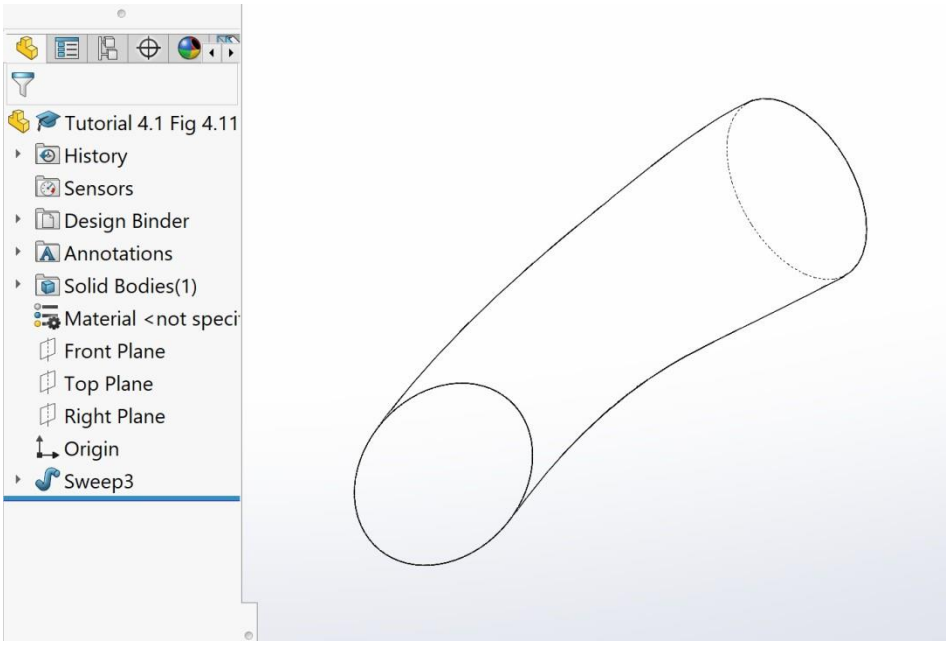


Unguided sweep

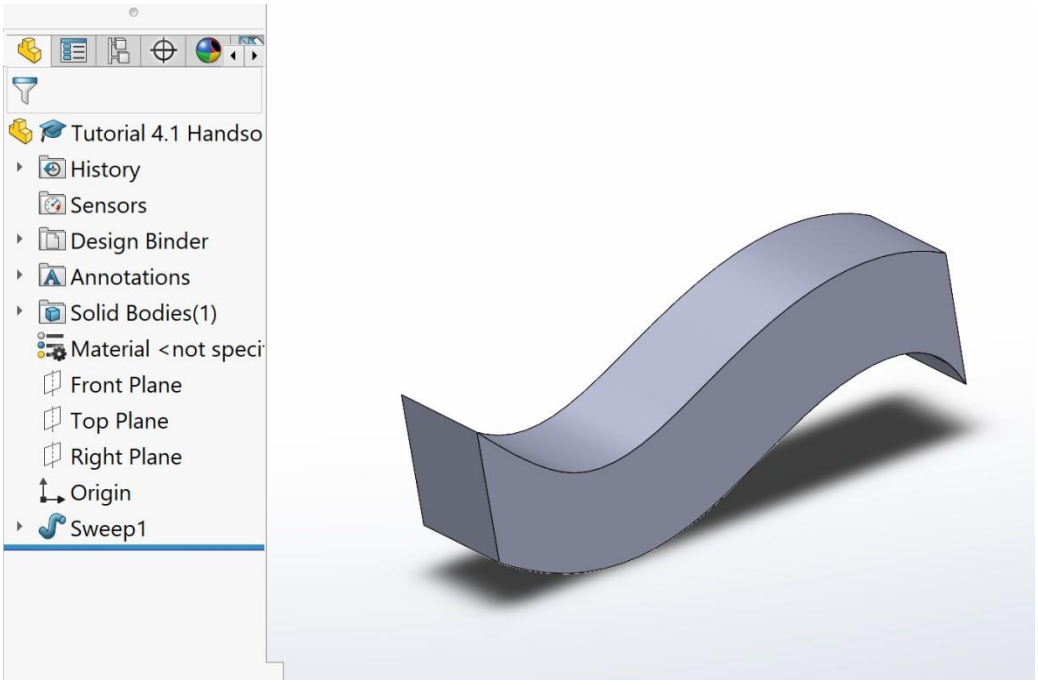
Guided sweep



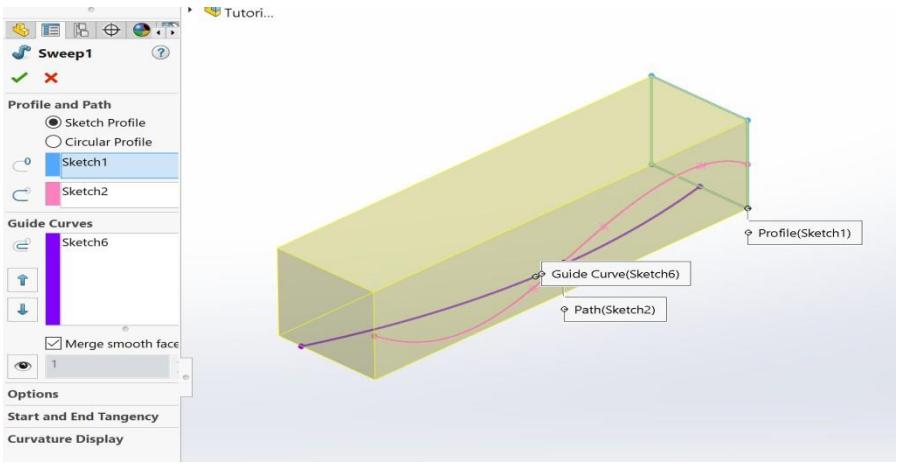
Skelton view of the guided sweep part

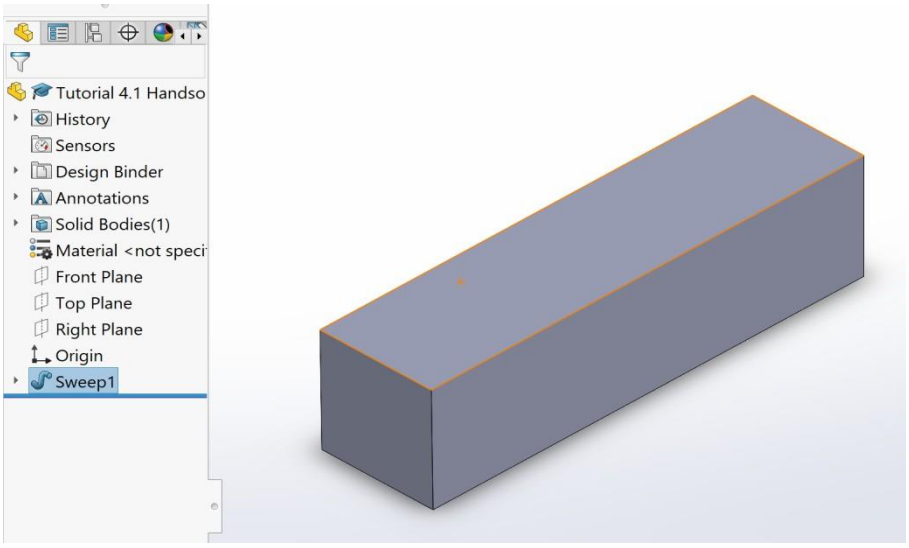


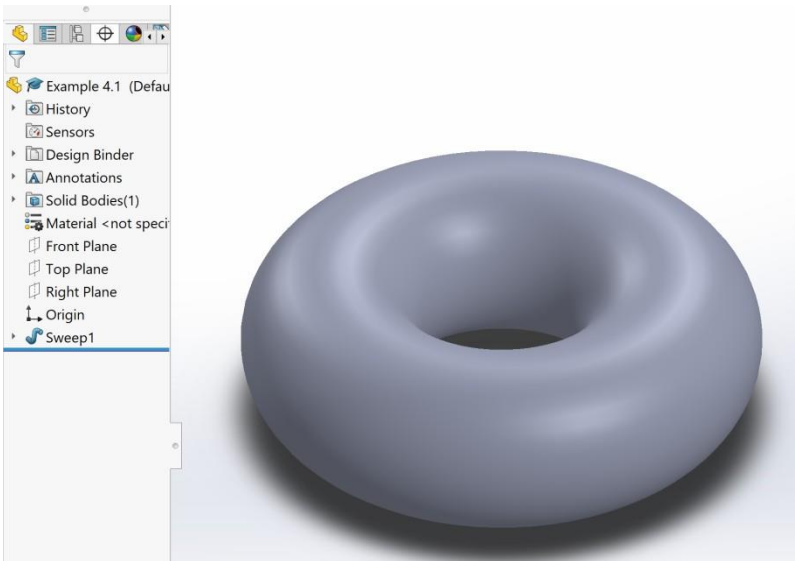
Unguided



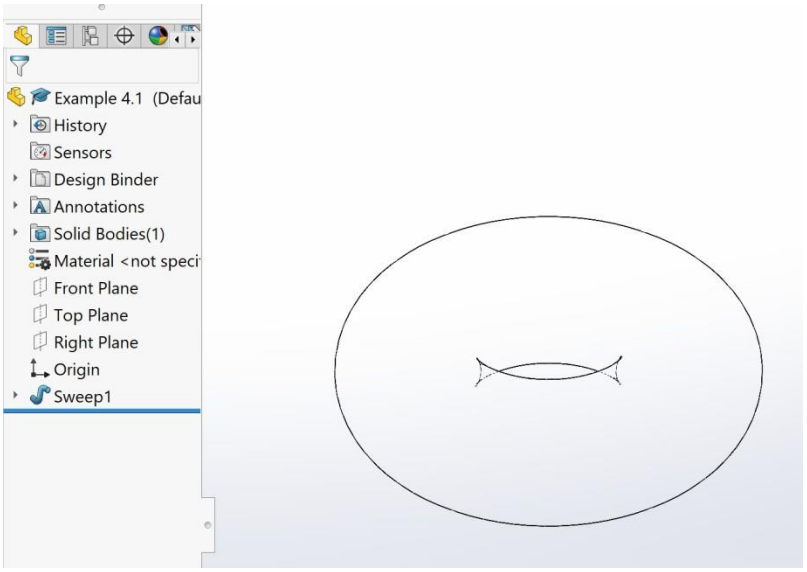
Guided sweep for 2x2 square

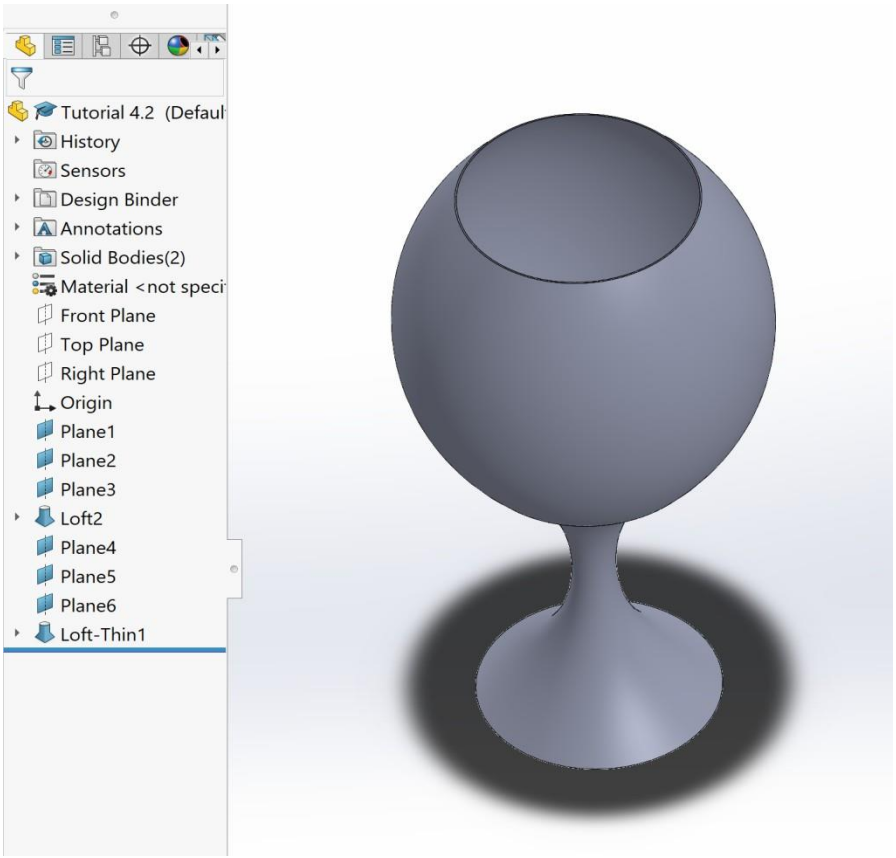




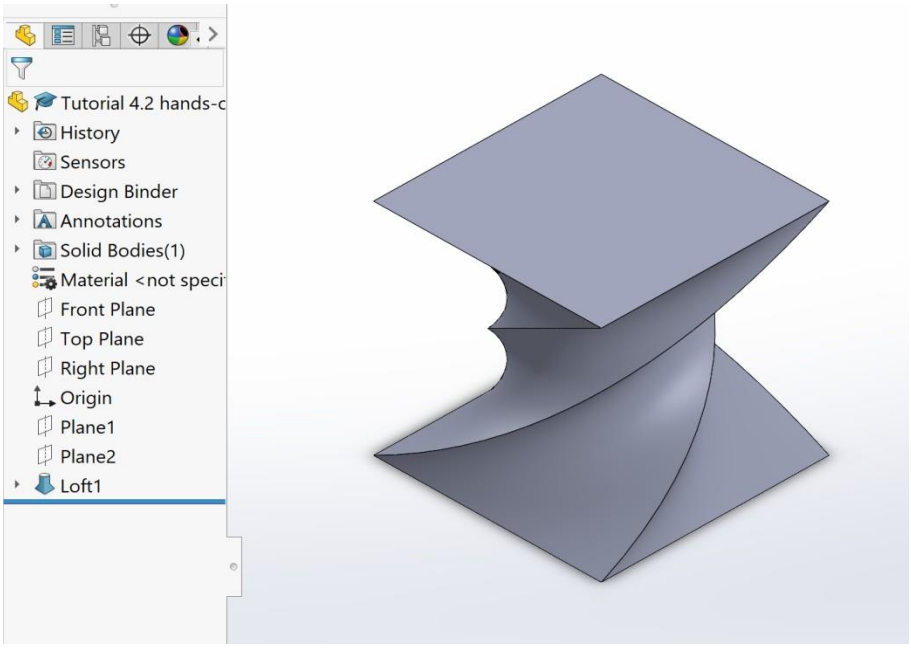


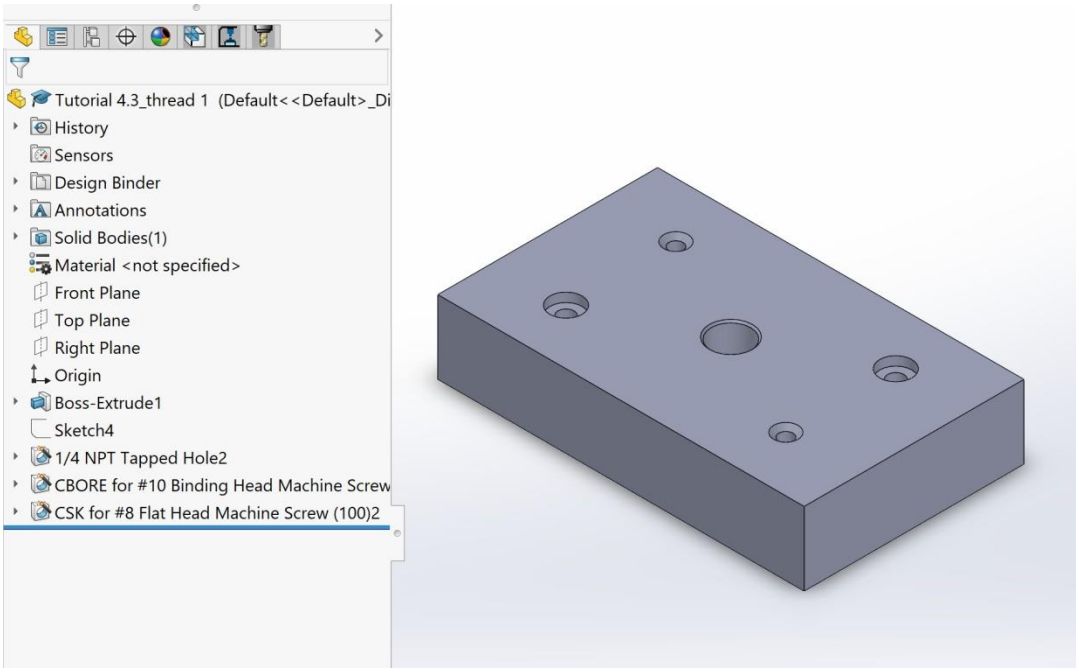
Skeleton view of above



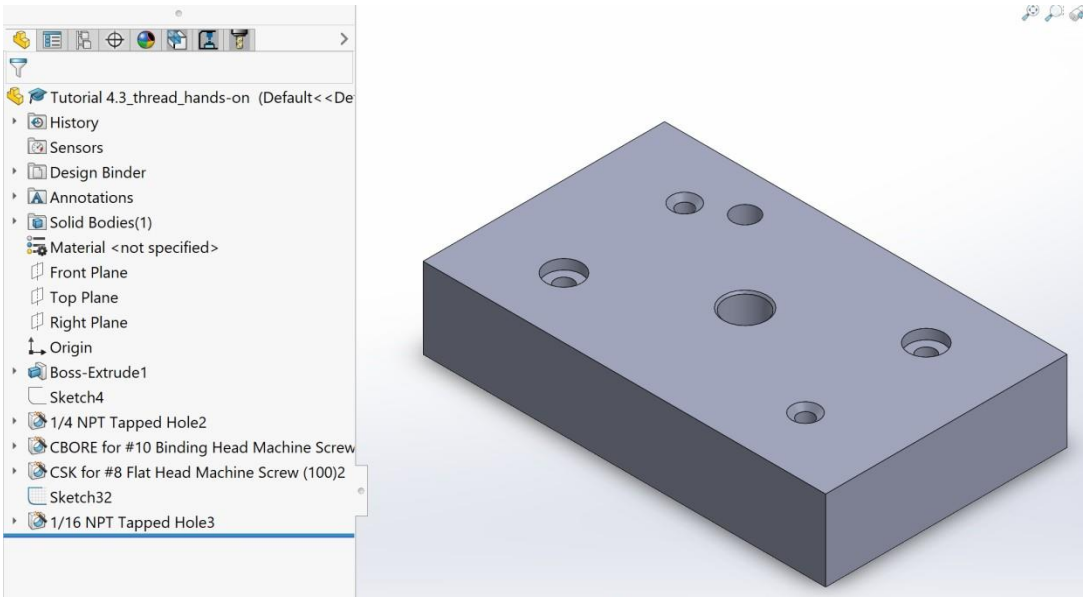

Tutorial 4.2 (Defaul
History
Sensors
Design Binder
Annotations
Solid Bodies(2)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Plane1
Plane2
Plane3
Loft2
Plane4
Plane5
Plane6
Loft-Thin1

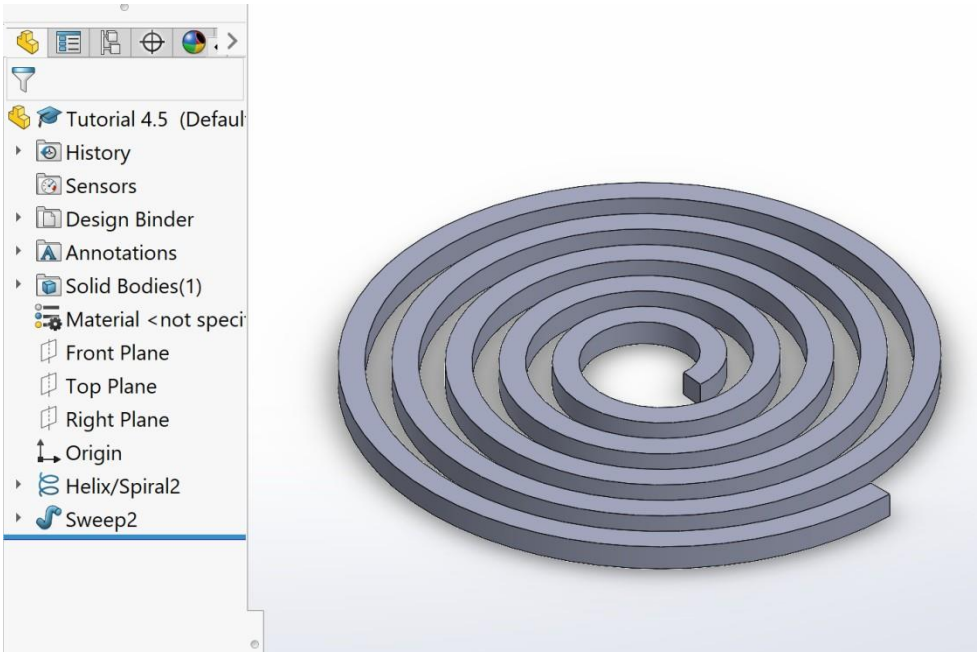
Hands-on


Tutorial 4.2 hands-c
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Plane1
Plane2
Loft1

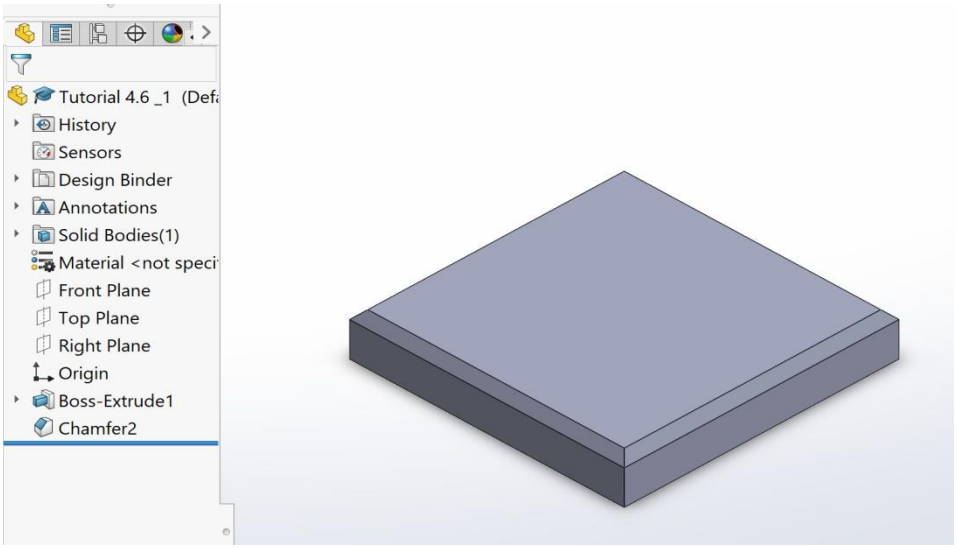

Tutorial 4.3_thread 1 (Default<<Default>_Di
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not specified>
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
Sketch4
1/4 NPT Tapped Hole2
CBORE for #10 Binding Head Machine Screw
CSK for #8 Flat Head Machine Screw (100)2

Hands-on

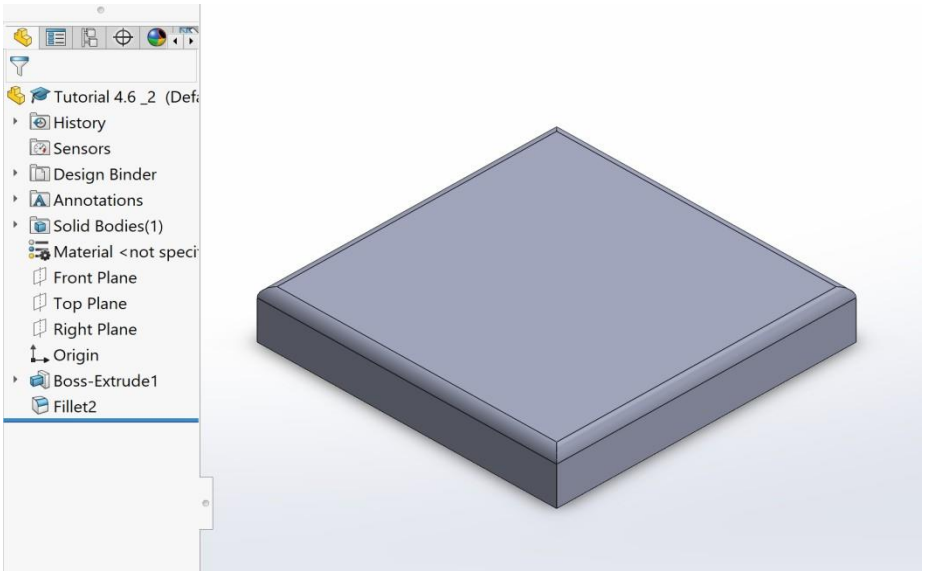

Tutorial 4.3_thread_hands-on (Default<<De
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not specified>
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
Sketch4
1/4 NPT Tapped Hole2
CBORE for #10 Binding Head Machine Screw
CSK for #8 Flat Head Machine Screw (100)2
Sketch32
1/16 NPT Tapped Hole3



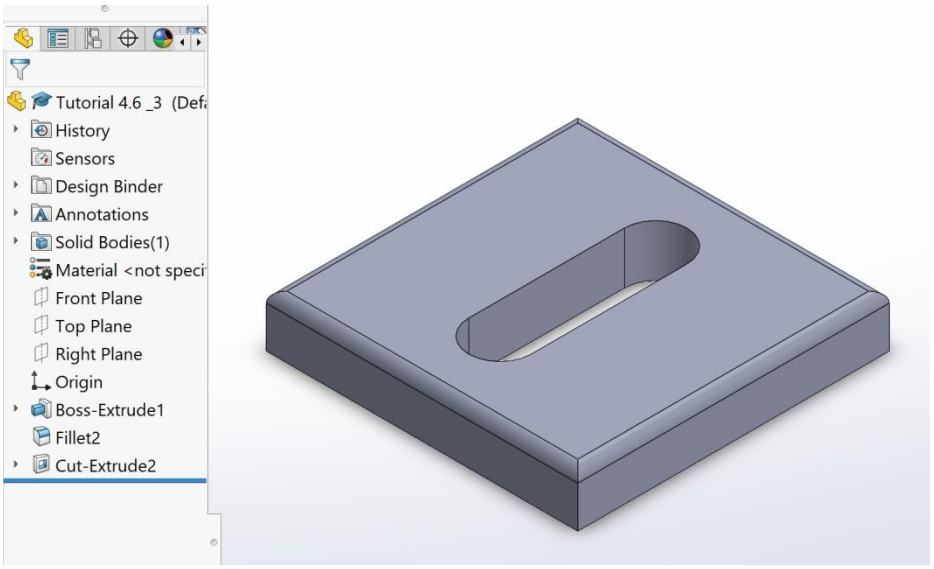
Chamfered edges



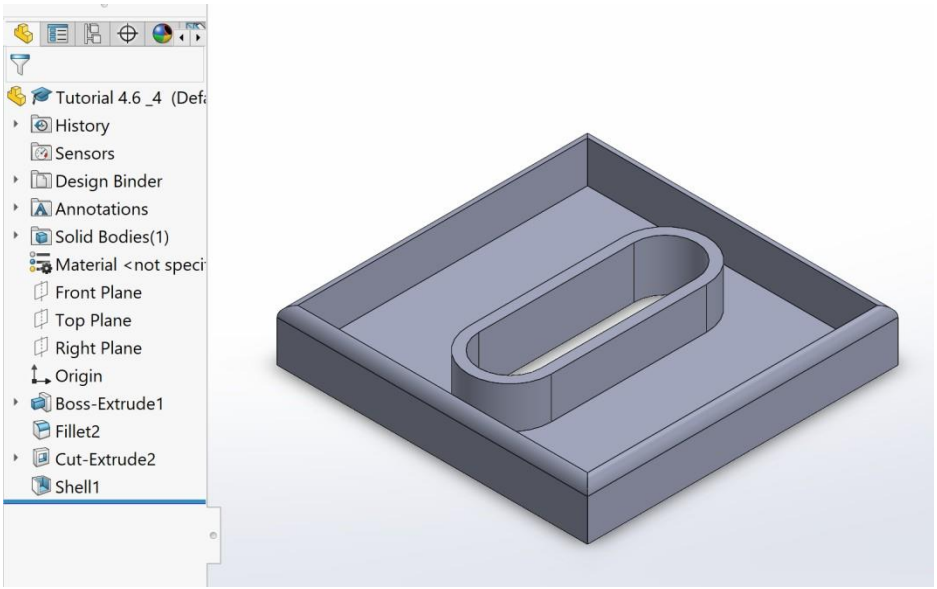
Fillet edges



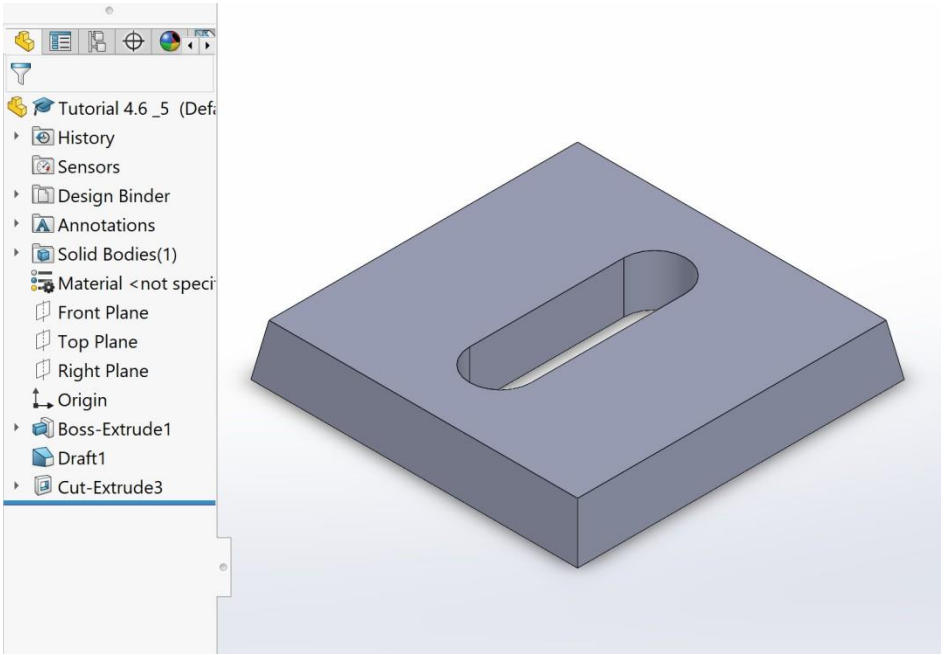
Straight Slot on the face of the block



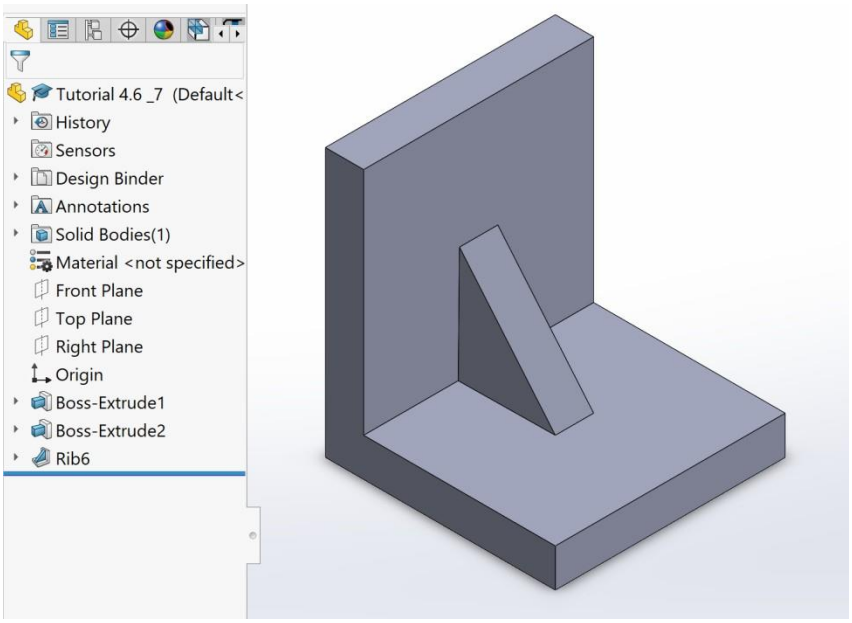
Shell Feature implemented



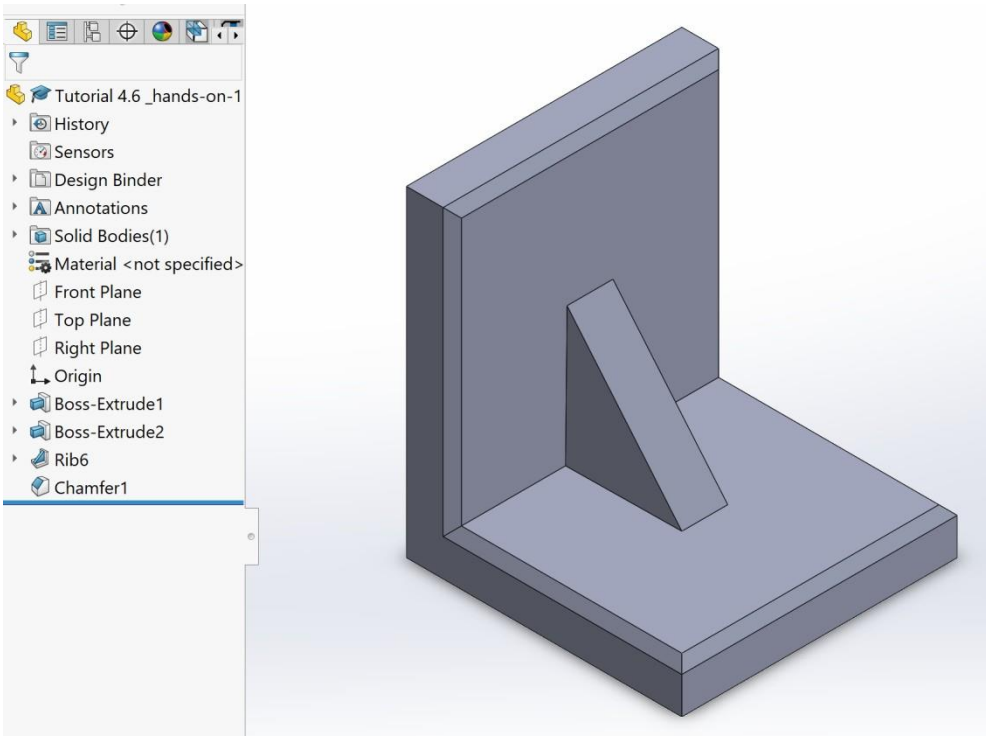
Draft Block Feature



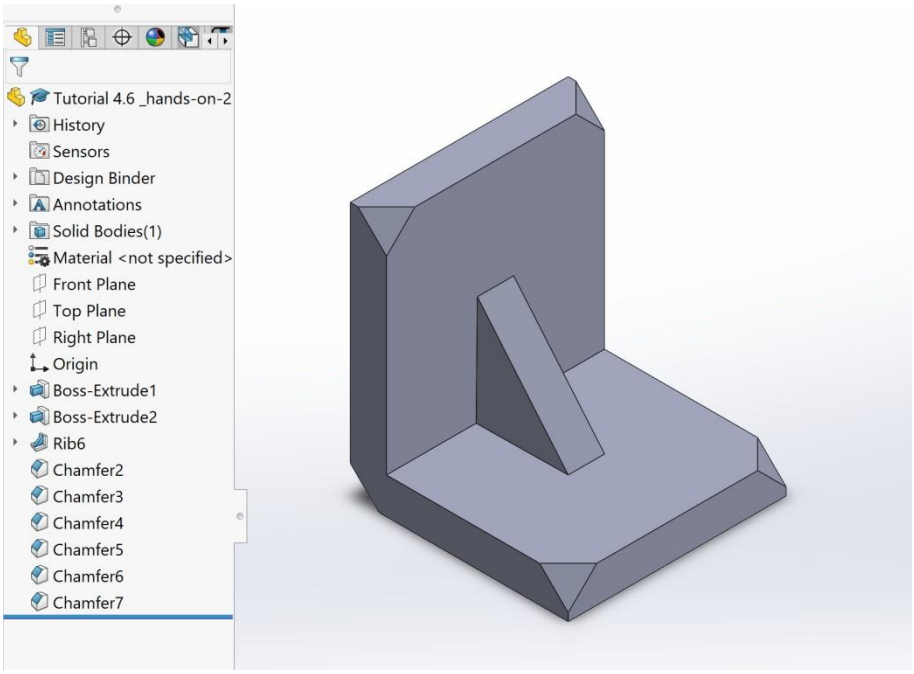
Rib Feature



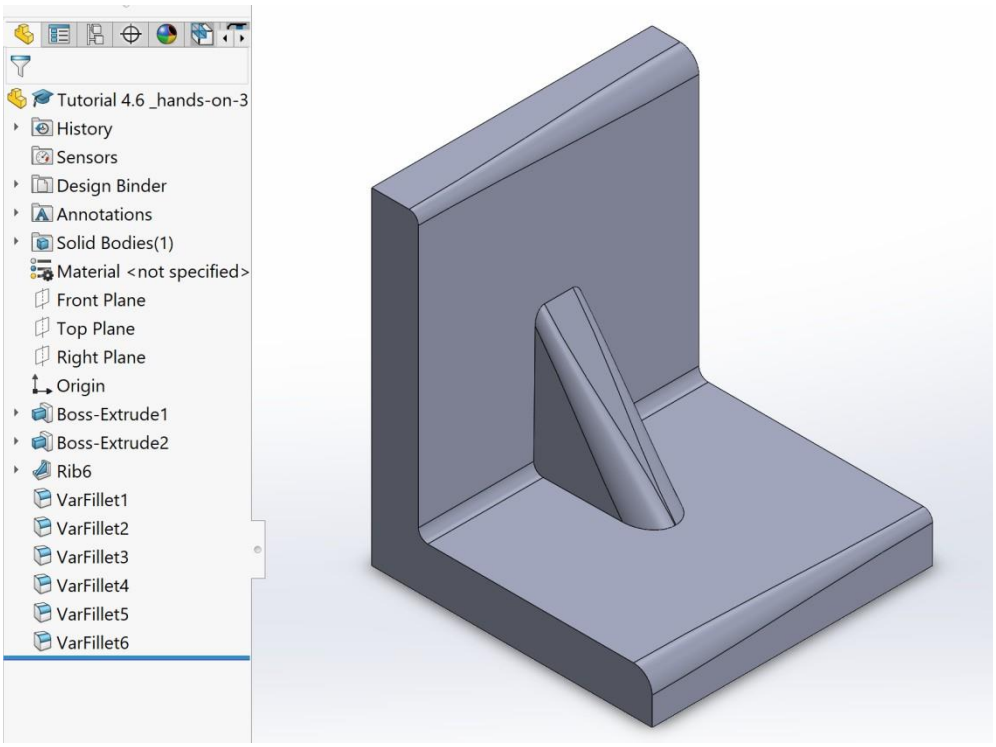
Distance – distance chamfer



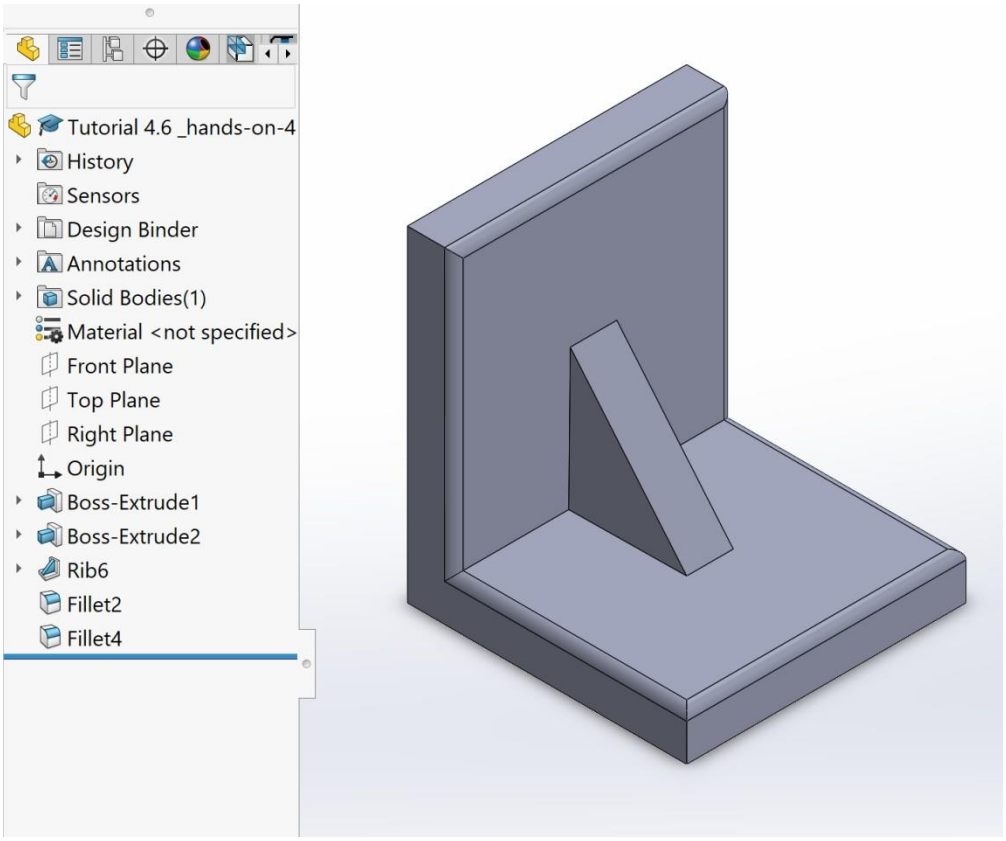
Vertex Chamfer



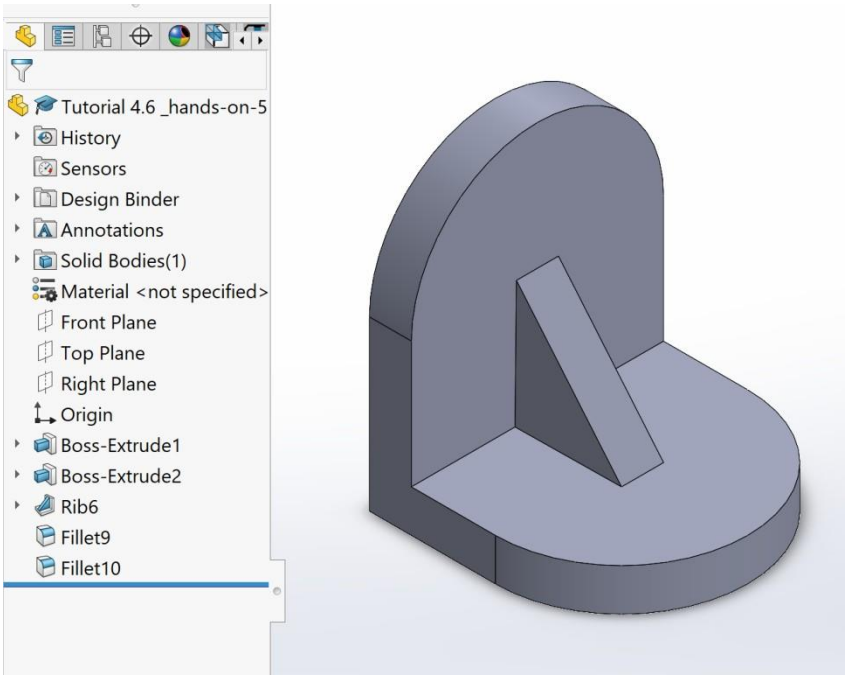
Variable Size fillet



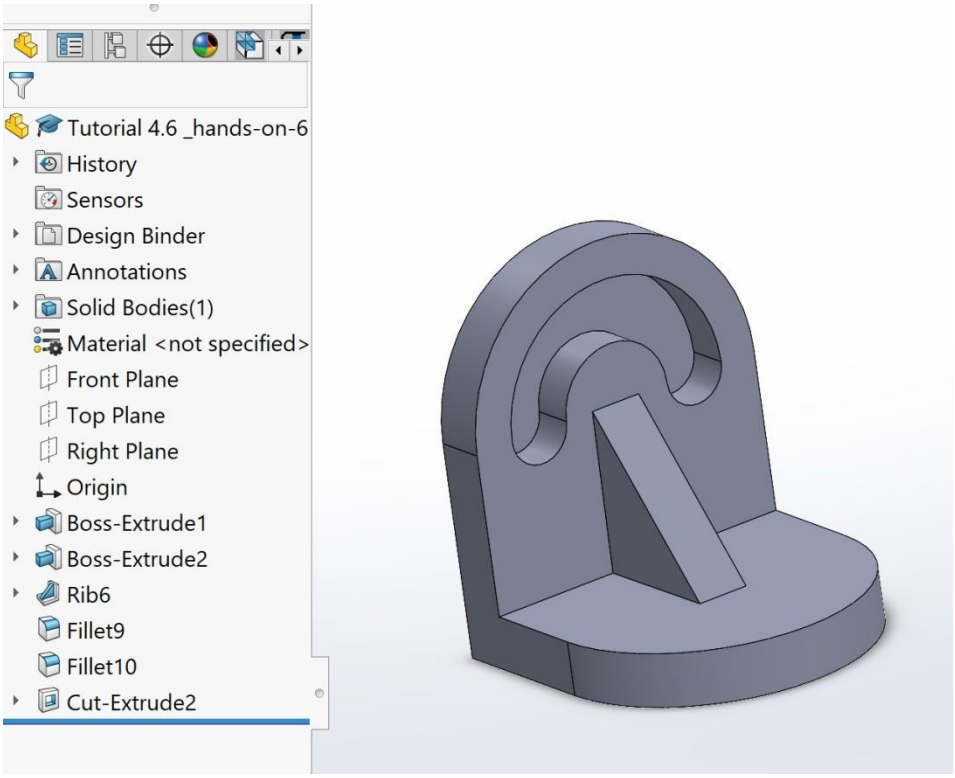
Face fillet



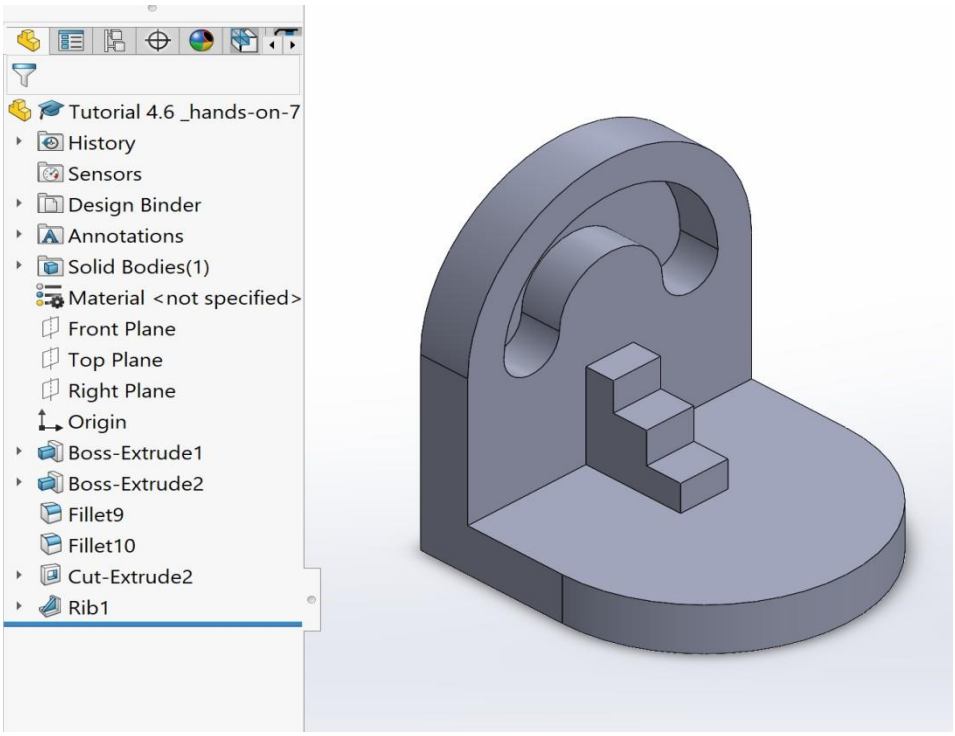
Full round fillet



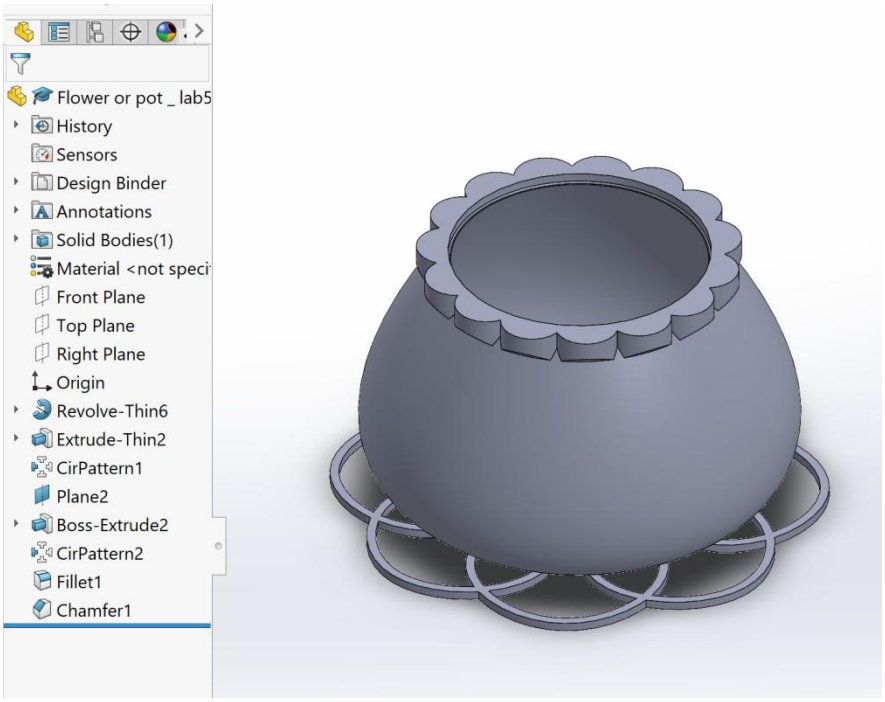
point arc slot

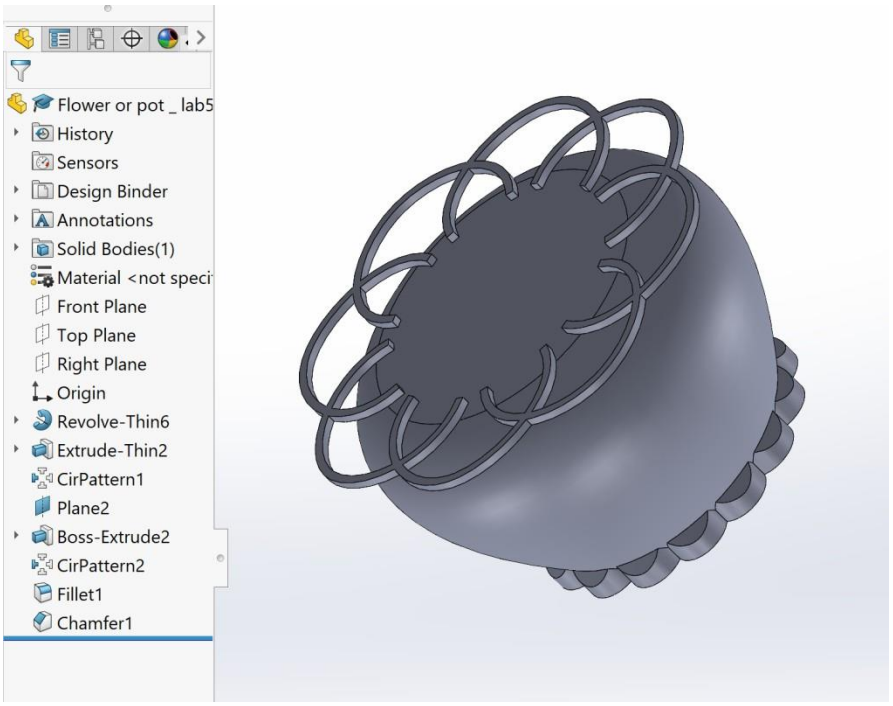


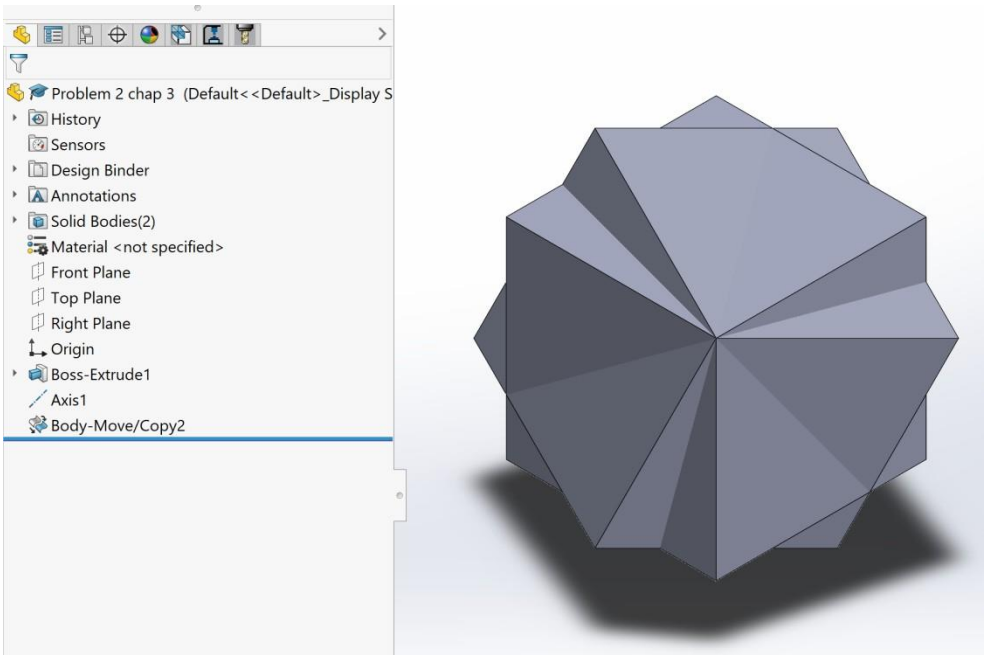
stepped rib using 3-stepped line as the rib profile

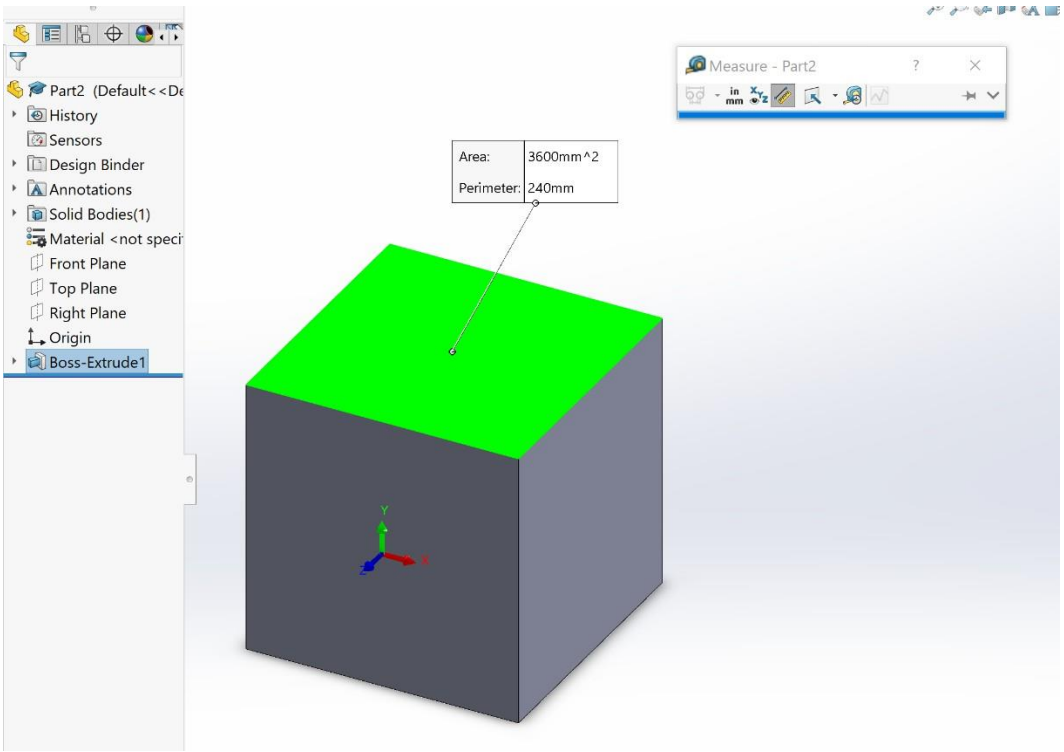


Flower or plant pot

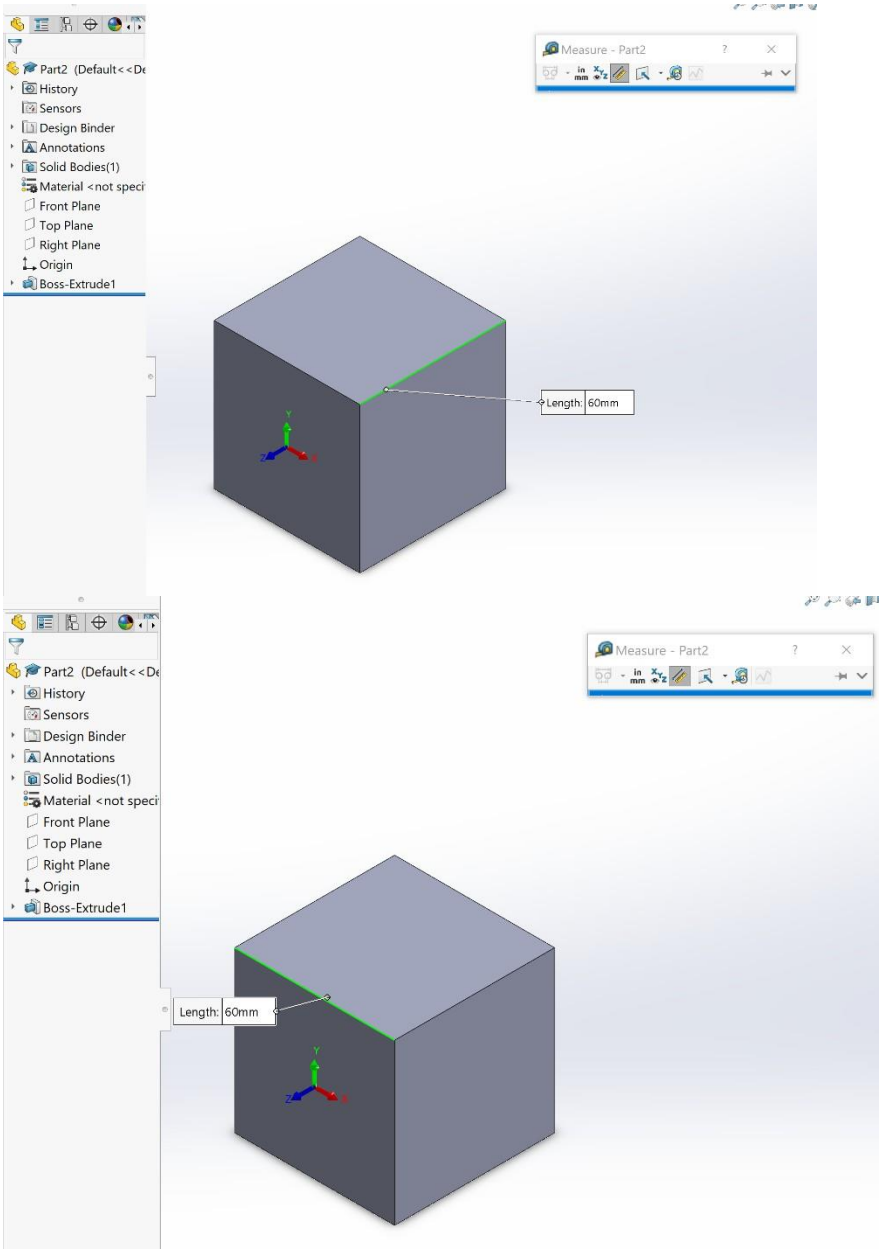




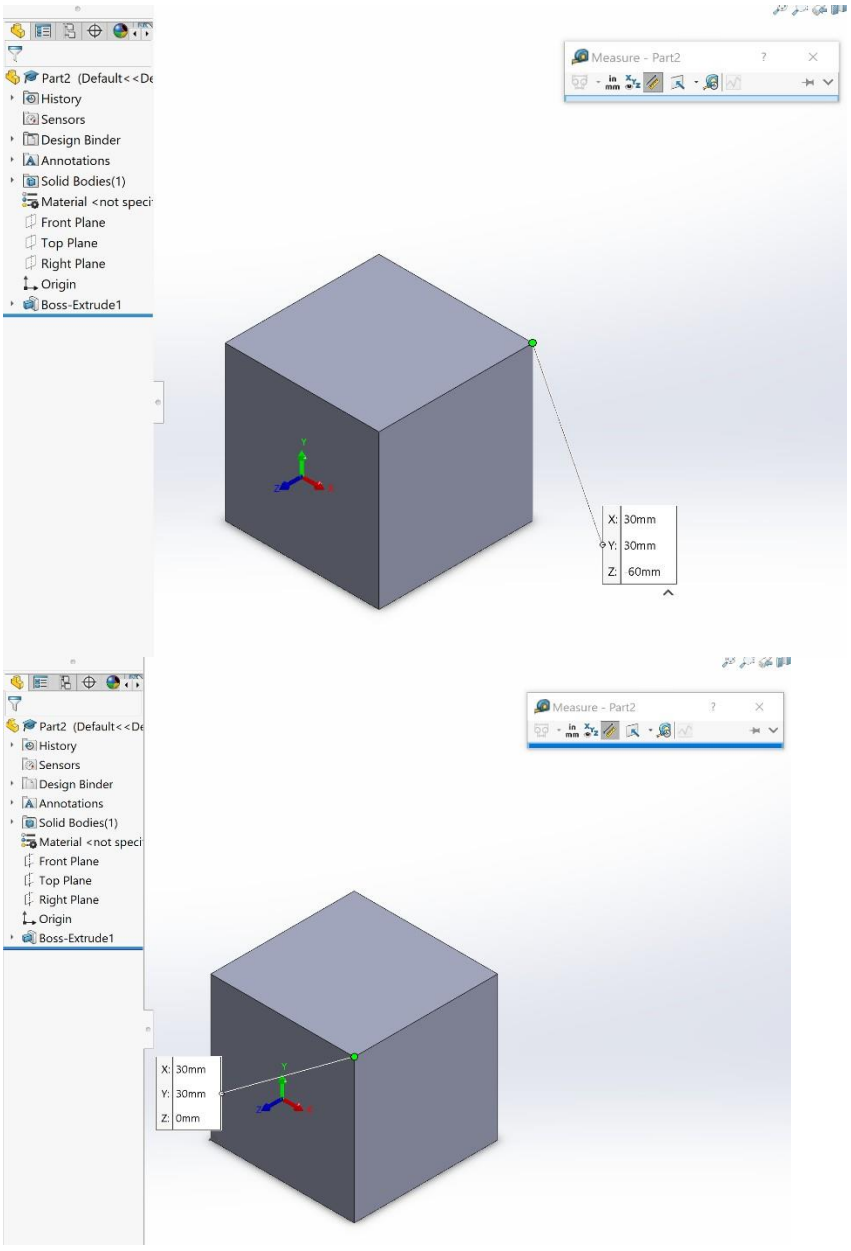

Problem 2 chap 3 (Default<<Default>_Display S
History
Sensors
Design Binder
Annotations
Solid Bodies(2)
Material <not specified>
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
Axis1
Body-Move/Copy2

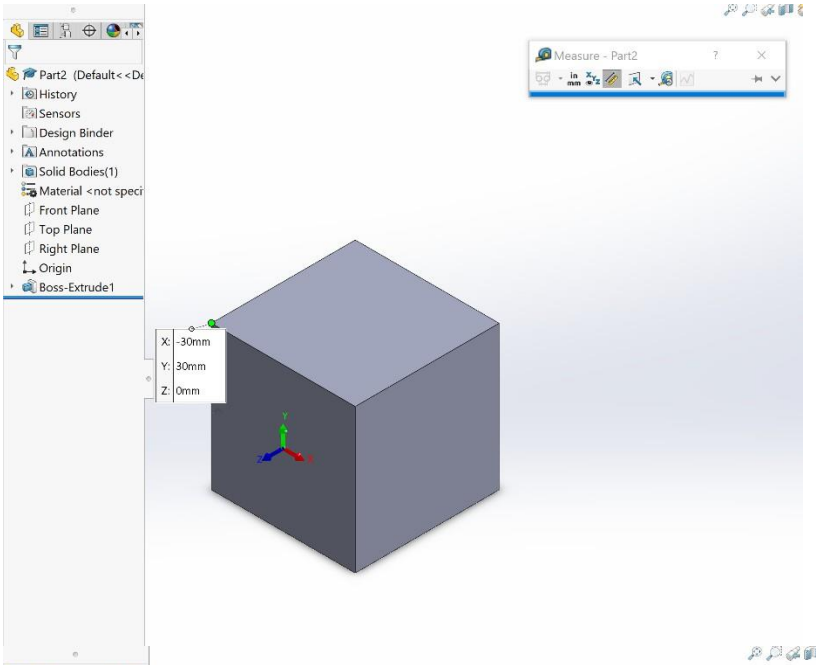

Part2 (Default<<De
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
Measure - Part2
Area: 3600mm^2
Perimeter: 240mm

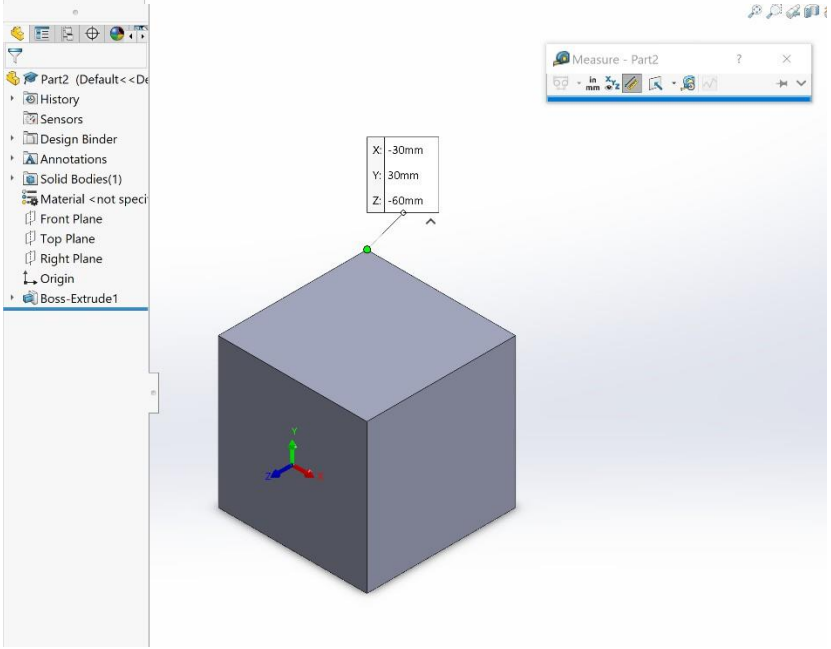
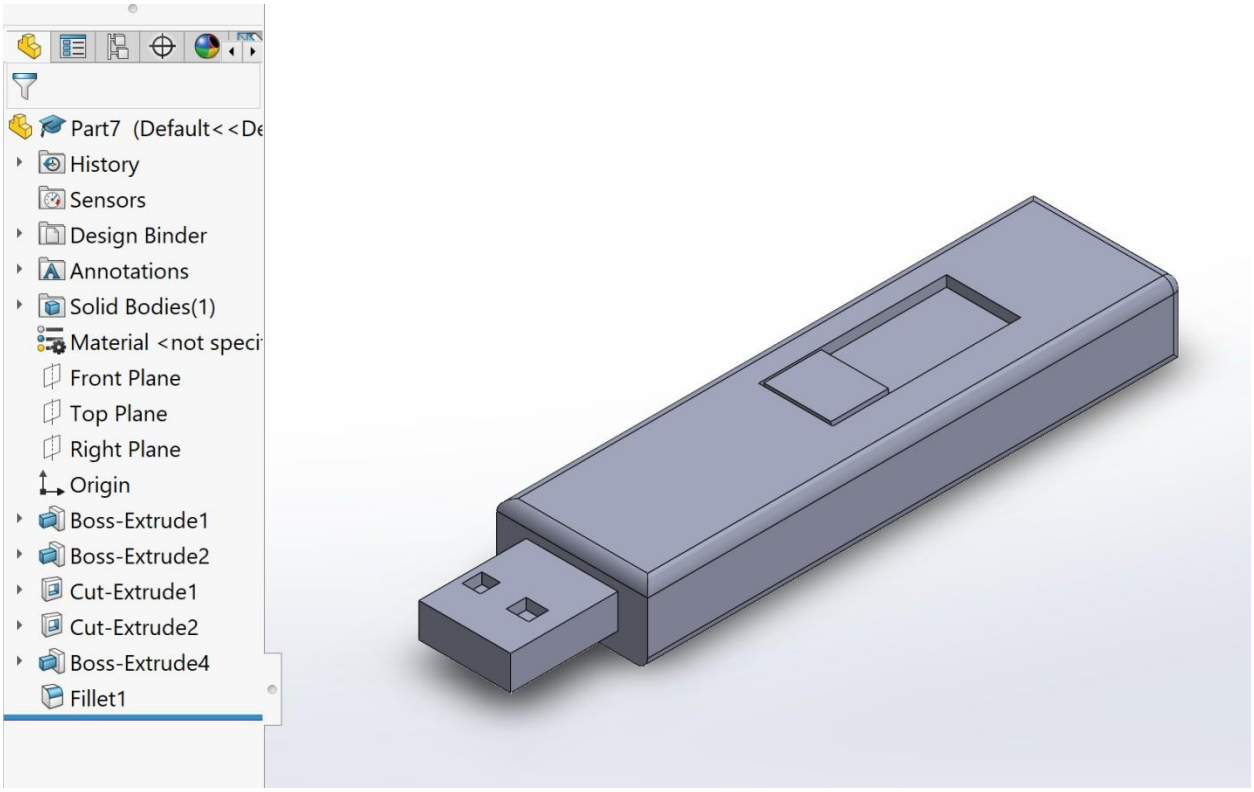
Using measure tool over edges



Using measure tool over vertices




Measure - Part2
Part2 (Default<<De
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
X: -30mm
Y: 30mm
Z: 0mm


Measure - Part2
Part2 (Default<<De
History
Sensors
Design Binder
Annotations
Solid Bodies(1)
Material <not speci
Front Plane
Top Plane
Right Plane
Origin
Boss-Extrude1
X: -30mm
Y: 30mm
Z: -60mm

Basic challenge