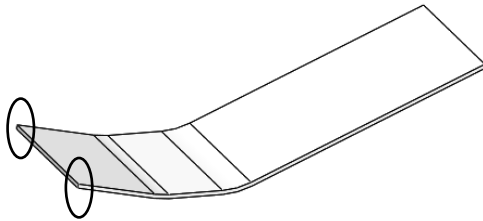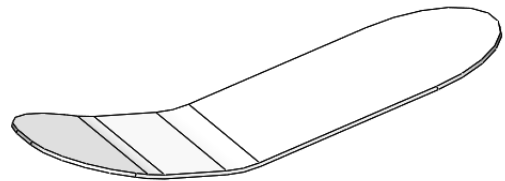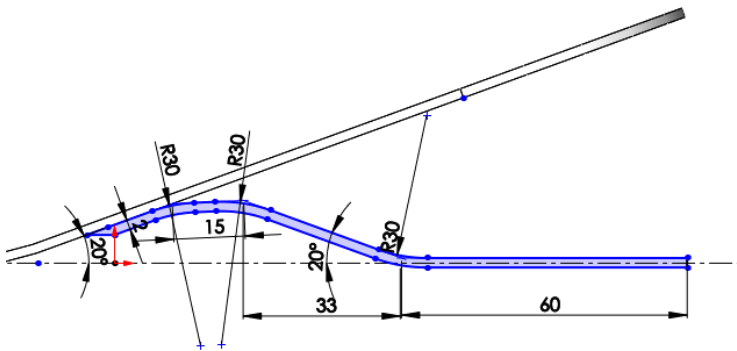The unit is mm. Draw every part in new file.
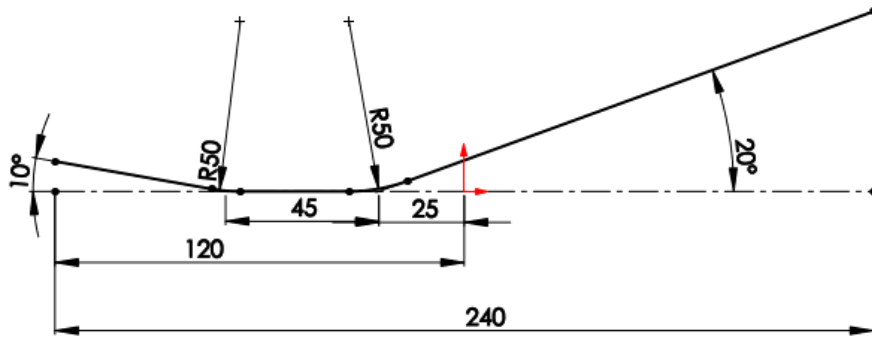
1

Draw the sketch on right plane. Extrude is 100 mm -midplane, thin feature – midplane – The thickness is 2mm.
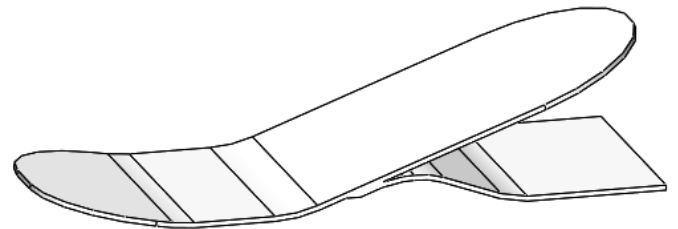

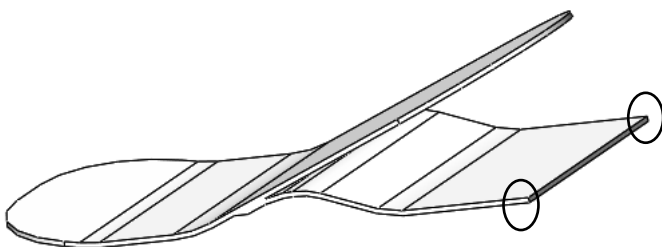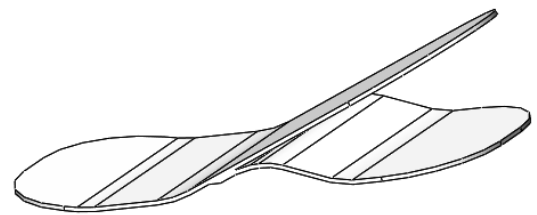Give 40 mm radius to the edges shown.

Use full round fillet for the back

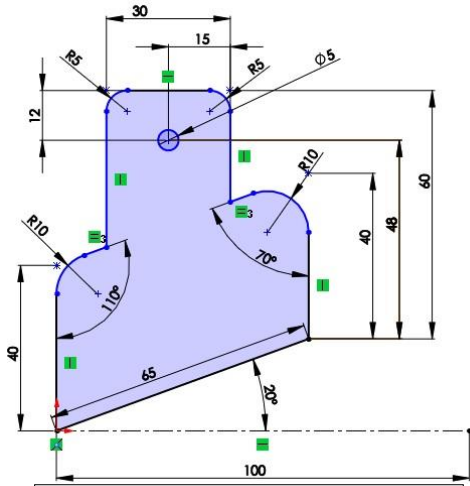
Draw the sketch on right plane.

Extrude 100 mm - midplane

Give 40 mm radius to the edges shown.

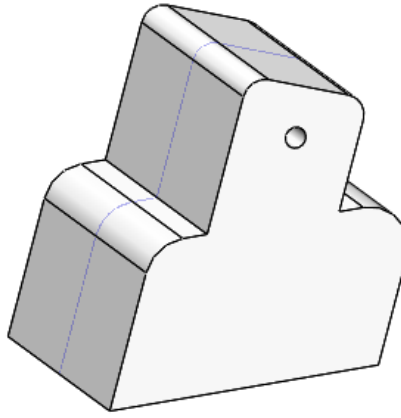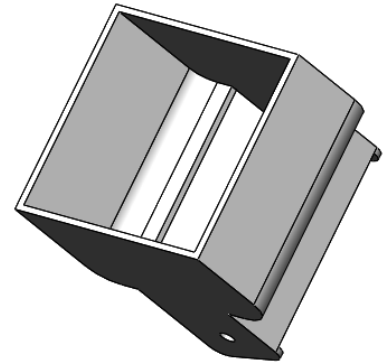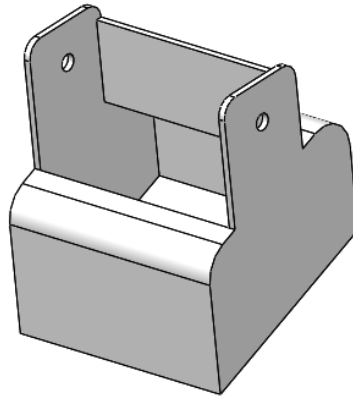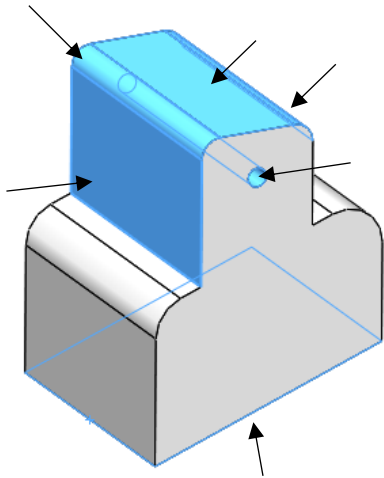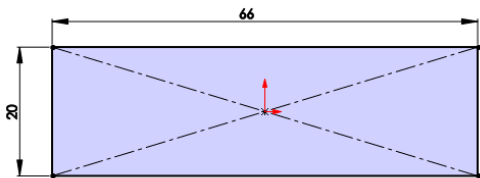Draw the sketch on right plane

Extrude 70 mm - midplane

2

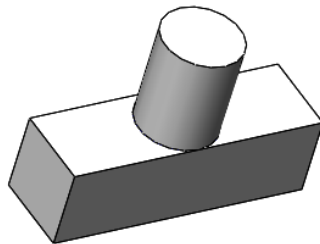Remove the faces shown (include the bottom face) with Shell command. The thickness is 2mm
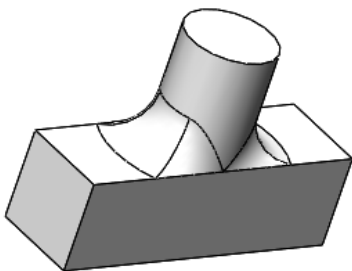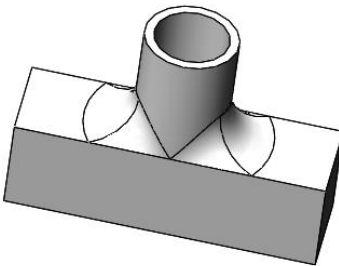

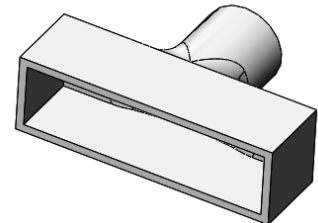Draw the sktech on top plane. Extrude 20 mm upward

3

Take sketch on top face. Draw a cylinder centered with origin. The cylinder's diameter is 20mm and the height is 25 mm

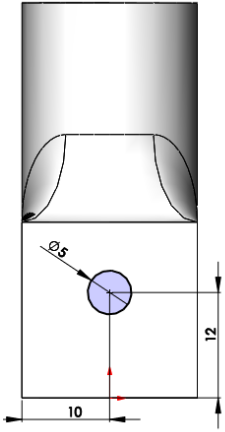Give 10 mm radius to the bottom face edge of cylinder
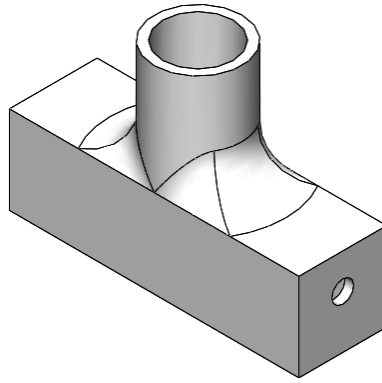
Remove the bottom and top face of the part with Shell command and give the thickness 2mm

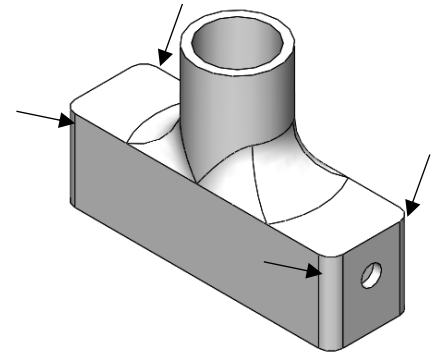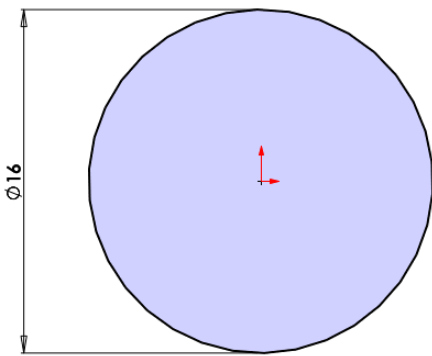| Draw the circle on the side face of the part. | Cut extrude – through all | Apply 3 mm Radius to the 4 edges shown. |

Draw a circle centered with origin on top plane. The diameter is 16 mm.

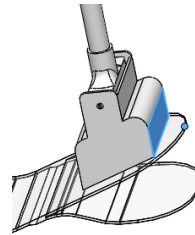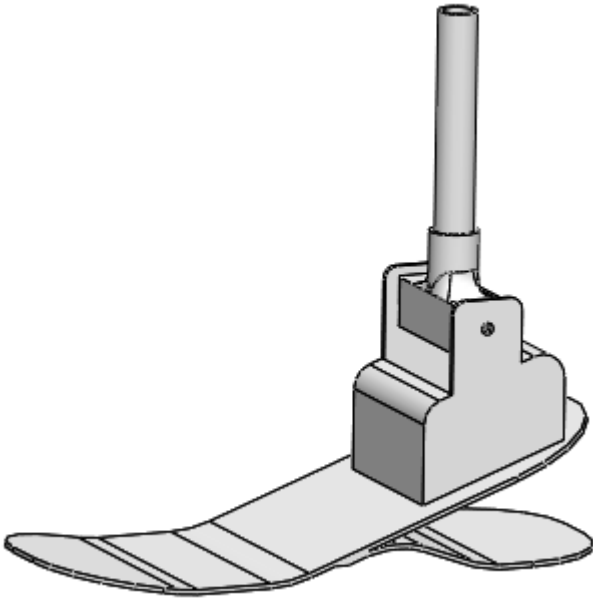Extrude 100 mm, thin feature, the thickness is 2 mm inward.

4

ASSEMBLY

Part 1 is fix the others are float.

Part 1's top face is coincedent with part 2's bottom face

Part 1's right plane is coincedent with part 2's right plane.
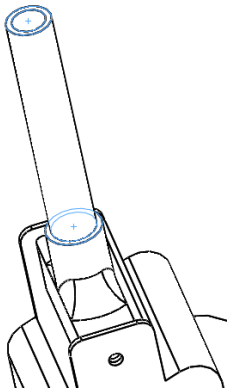
Part 2's back face has a 20 mm distance with the back point of part 1.

Part 2's cylinderical hole face is concentric with part 3's cylinderical hole face. Part 2's circular edge is coincedent with part 3's circular edge.

Part 3's cylinderical face is concentric with part 4's cylinderical face.
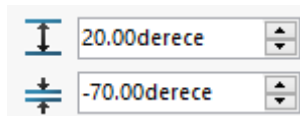
Part 4's top face has a 90 mm distance relation with part 3's top face.

Part 4's axis line is coincedent with part 3's axis line.

Part 4's right plane is parallel with assembly's right plane.

Part 4's top face has a limit angle relation mate with the assembly's top plane. Min angle value is -70,max angle value is 20.

20.00derece

-70.00derece

Apply material and take render.

Create a folder on desktop. Move all the parts and assembly inside it. Send them with e-mail to the

ahubahartanacar@gmail.com