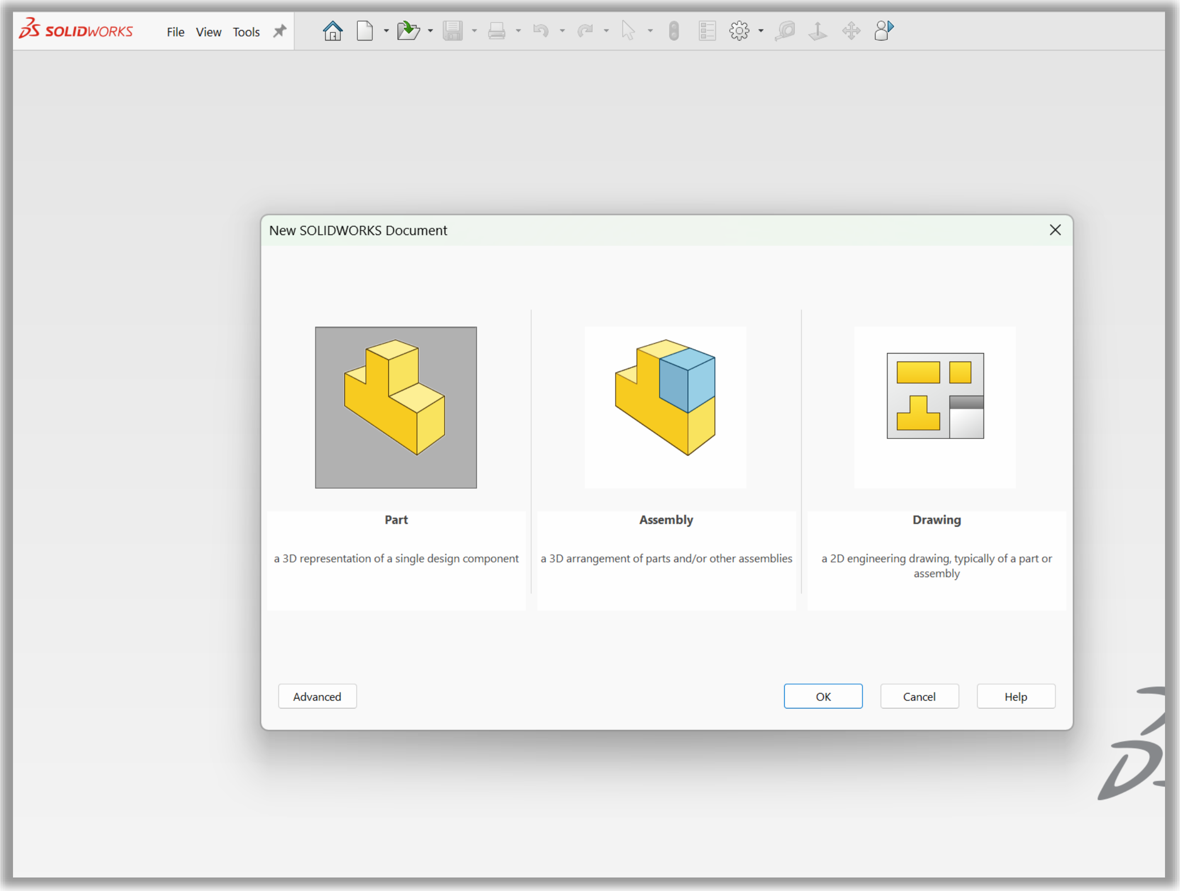
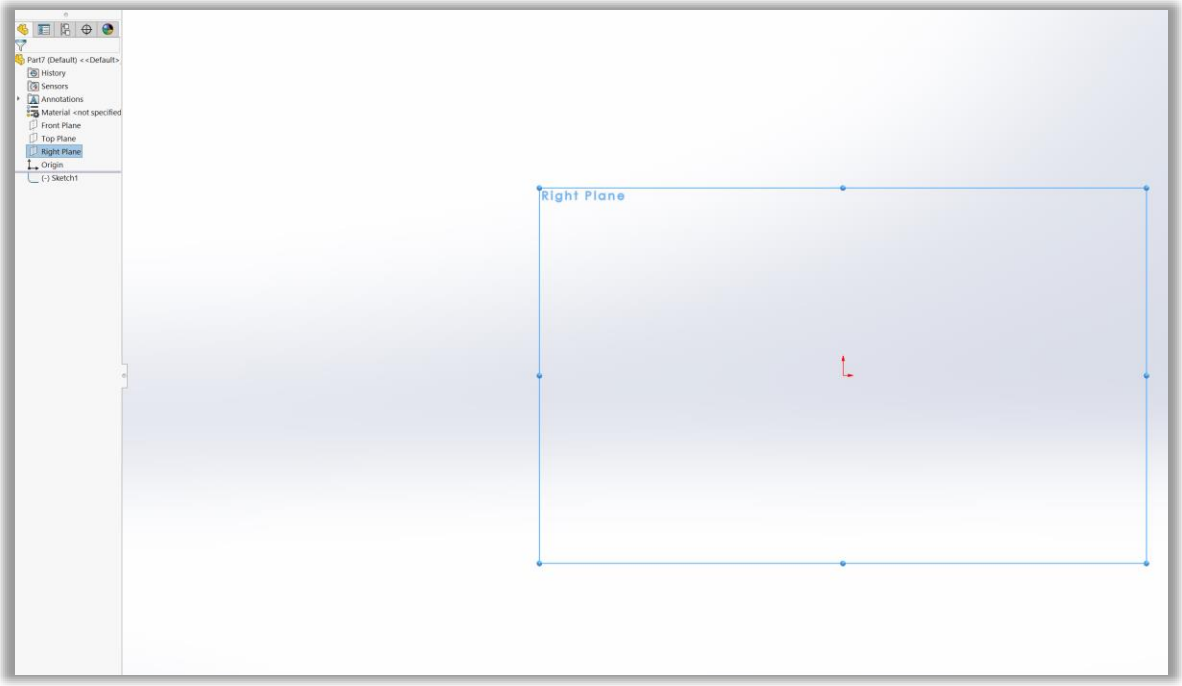
1. Go to File>New>Select Part



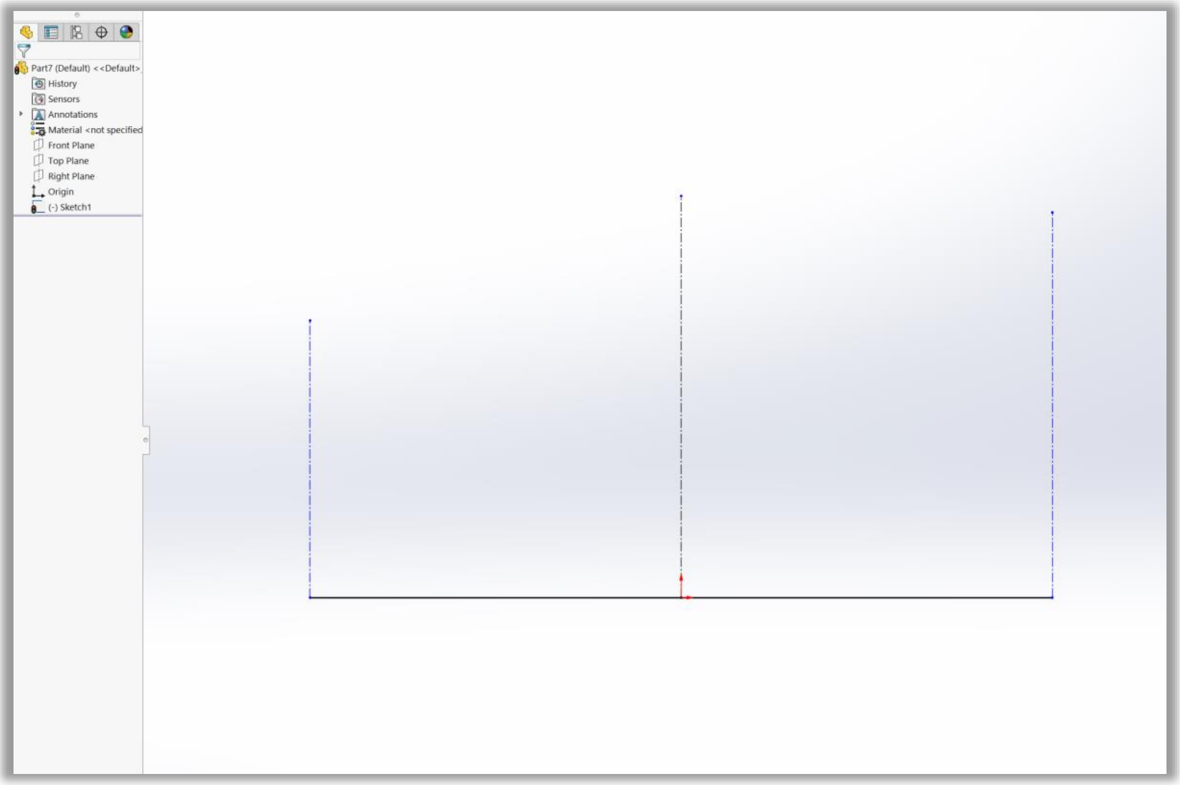
2. Select the Right plane for sketching



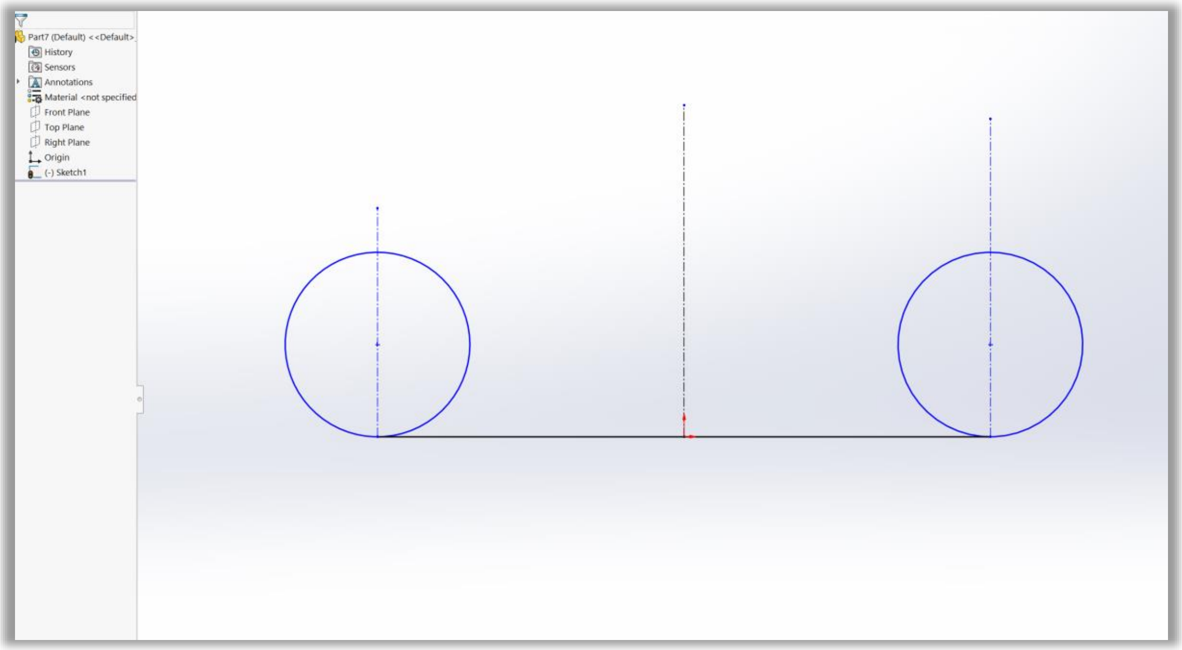
3. Draw a line passing through origin

4. Select origin and mid point of the line, select coinside

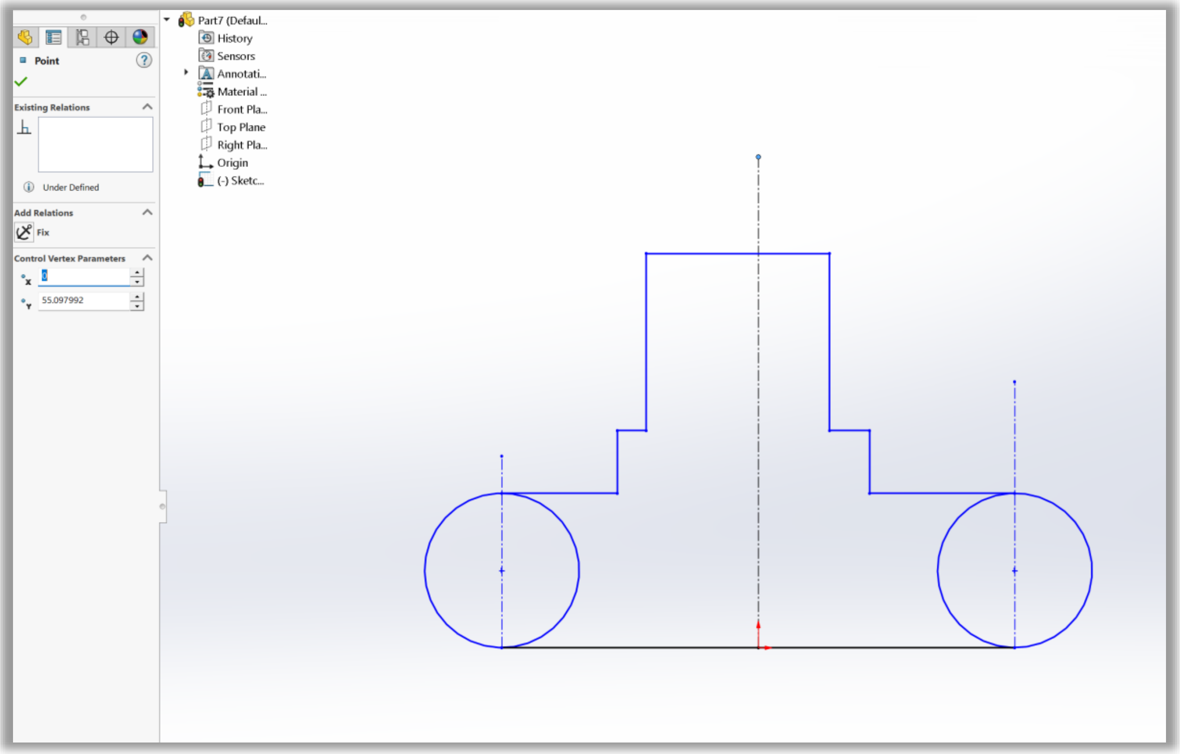
5. Draw three vertical construction line as shown



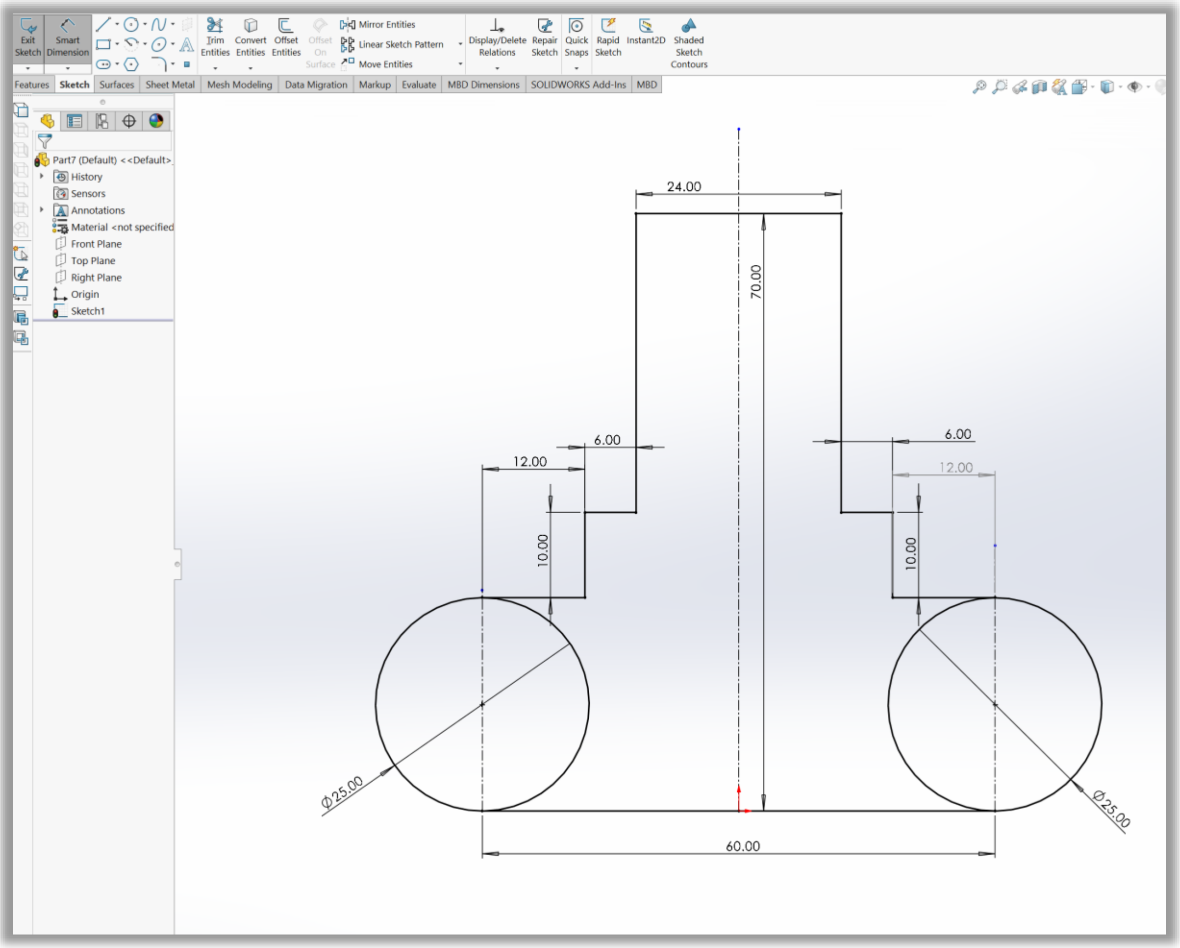
6. Draw two circles, center on two side lines and touching the bottom line



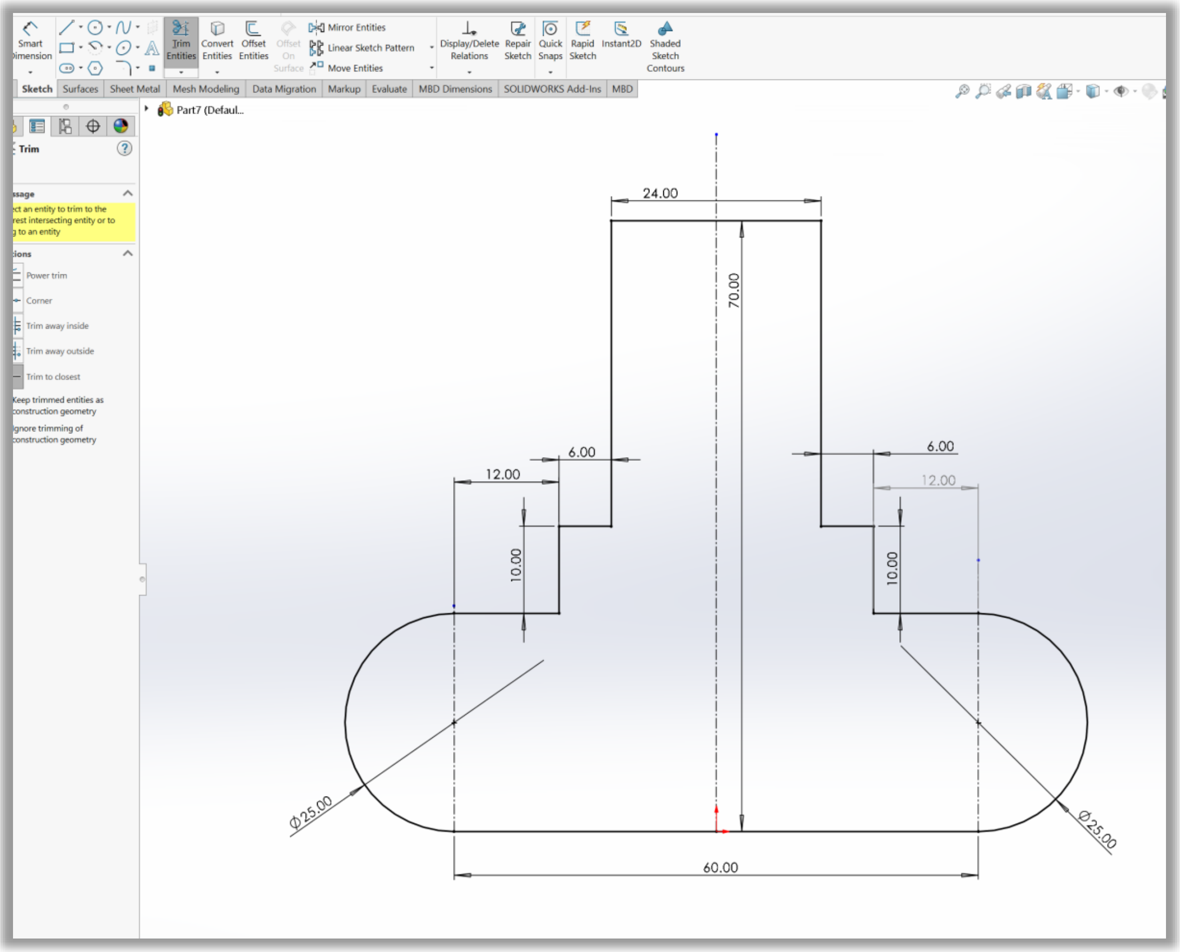
7. Draw zig zag line as shown. Make use of guide lines to position the lines.



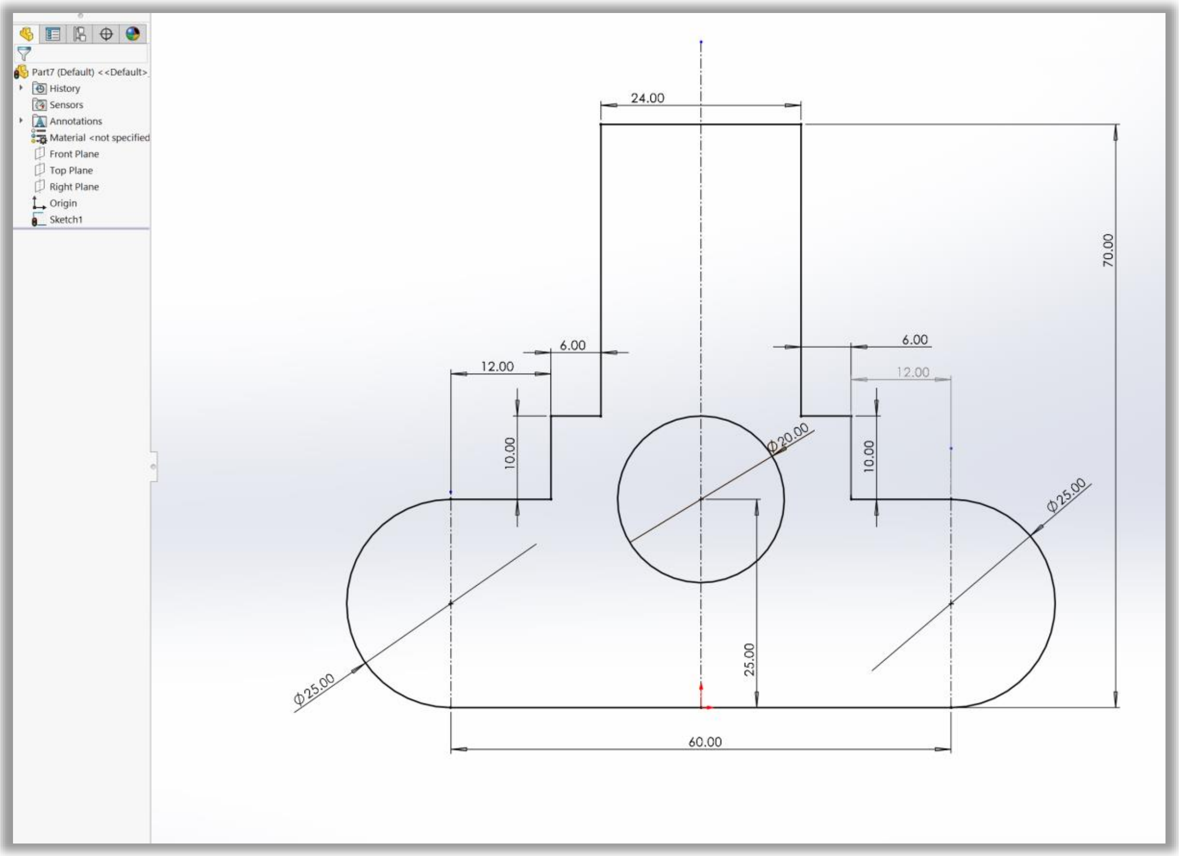
8. Now dimension the lines and circle as shown. You have ti find the dimensions in the given isometric drawing.



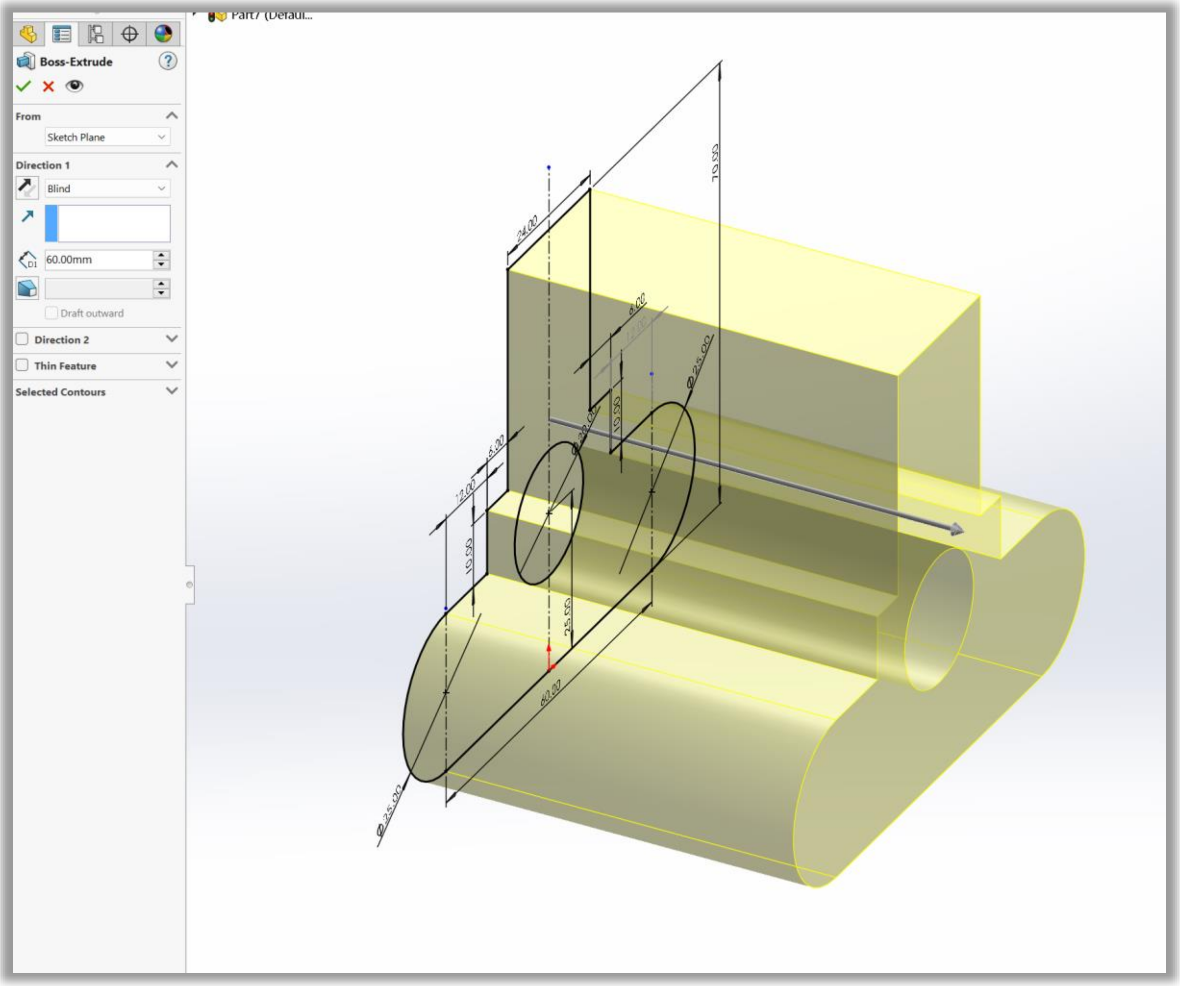
9. Use trim entities to cut half of each circle



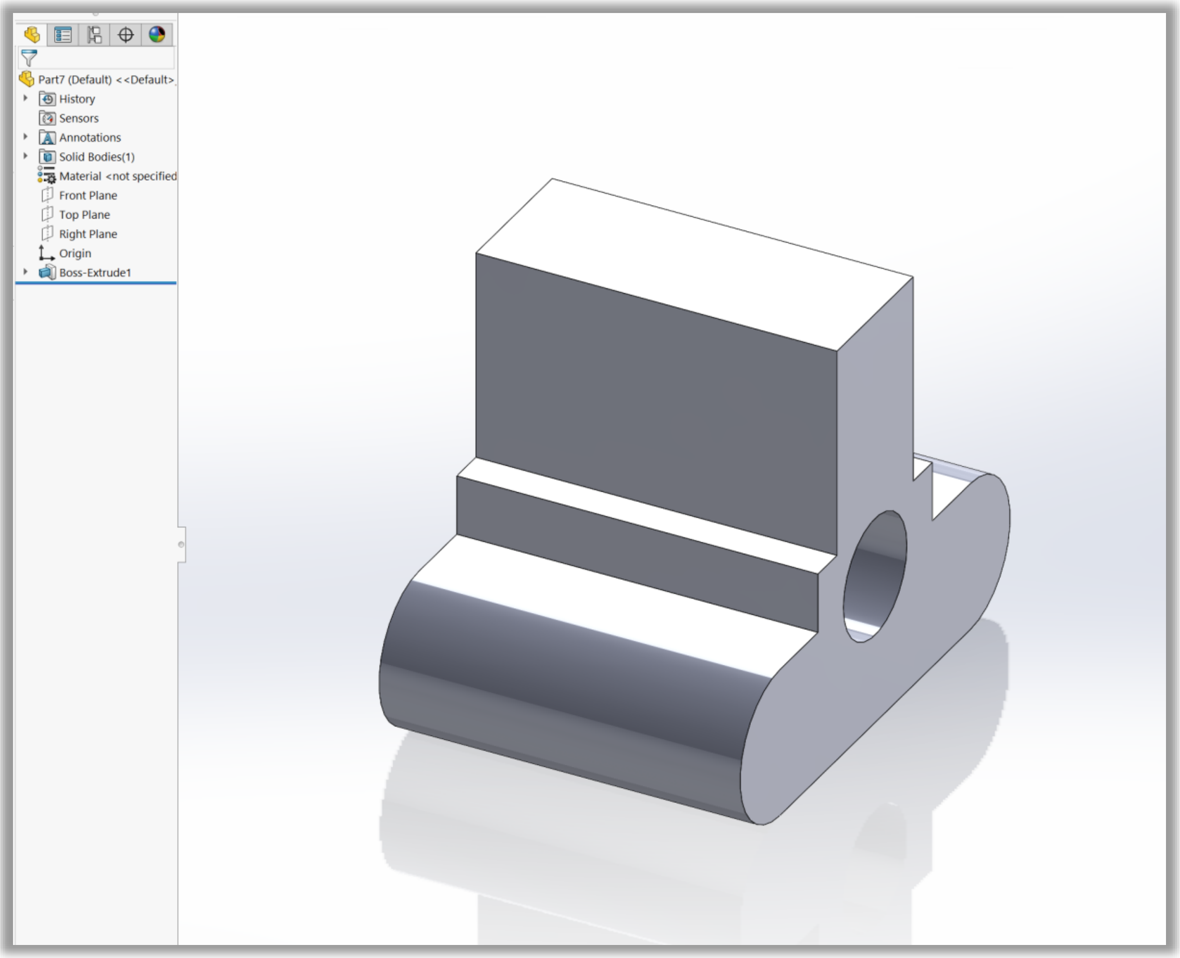
10. Now draw a circle as shown



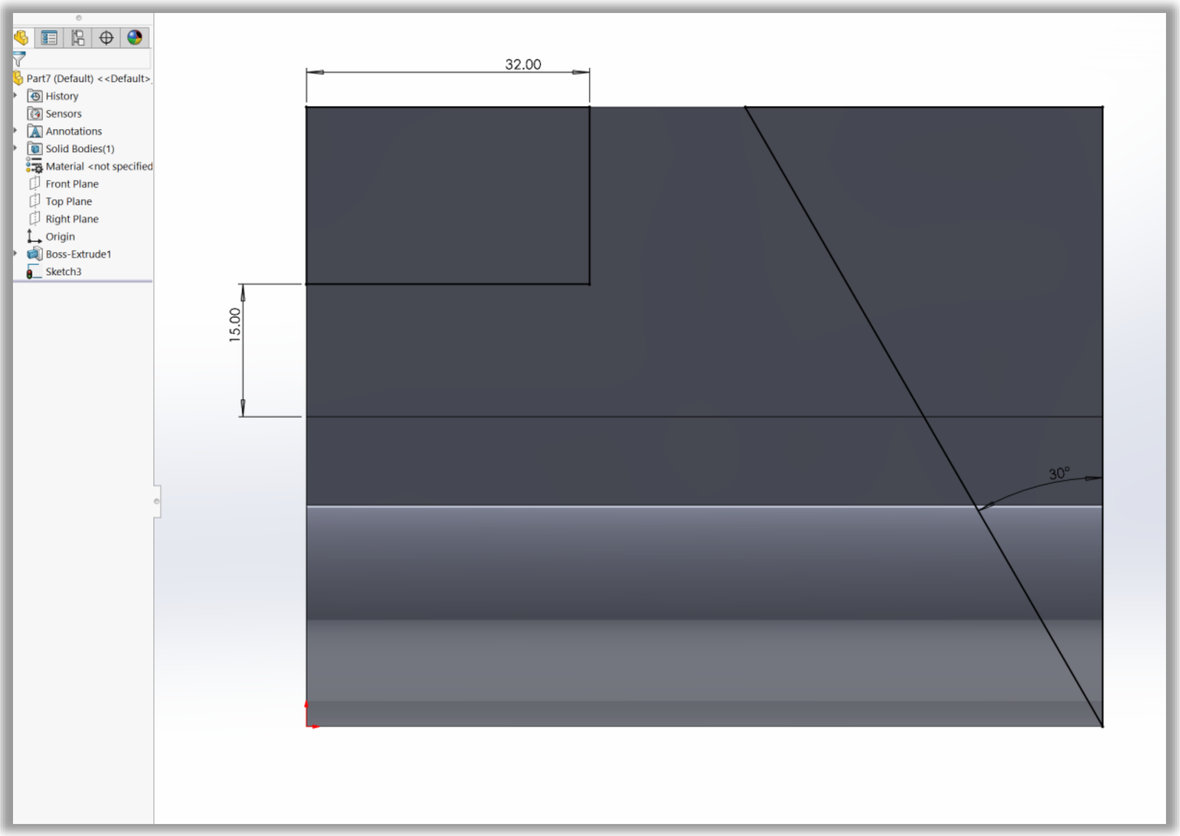
11. Use the extrude feature to extrude the sketch by 60mm



12. Click OK to get this

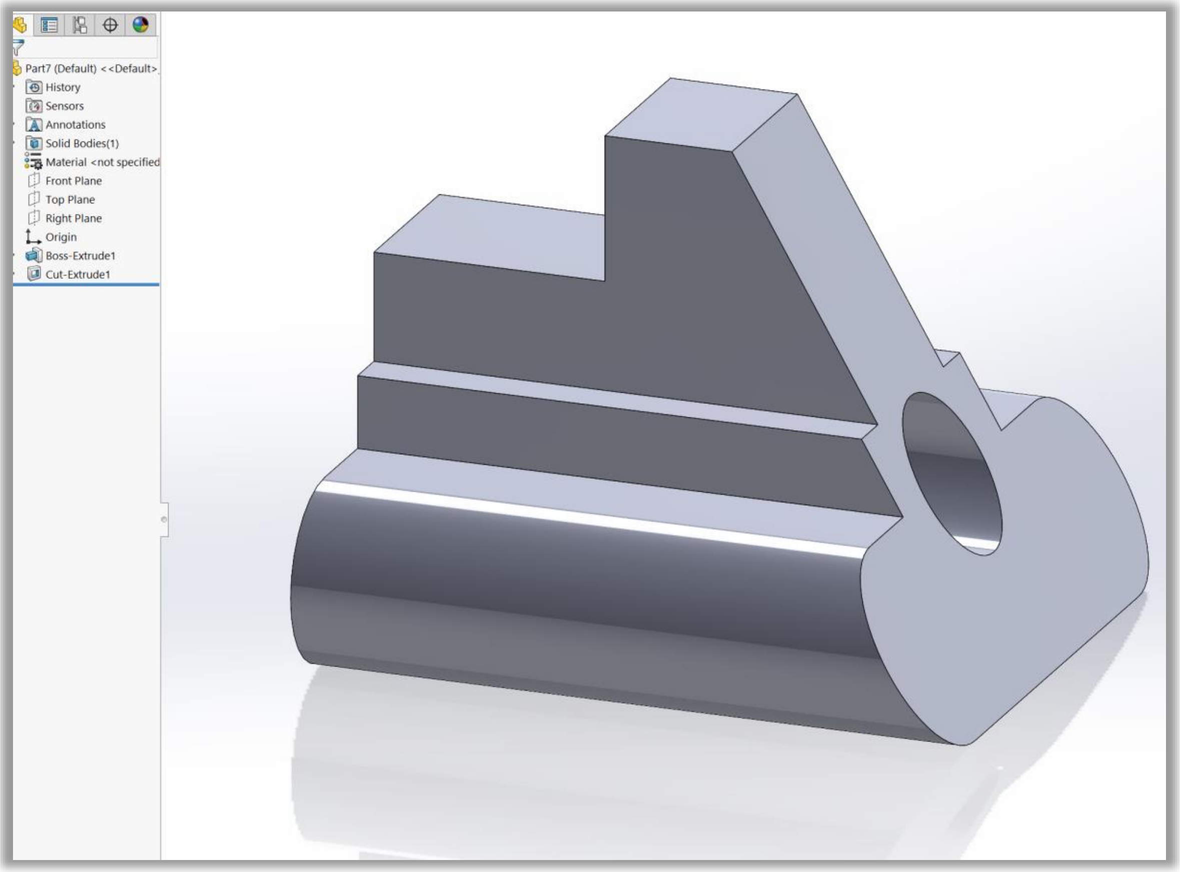


13. Select the front plane for sketching. Draw a rectangle and a triangle with dimensions as shown.

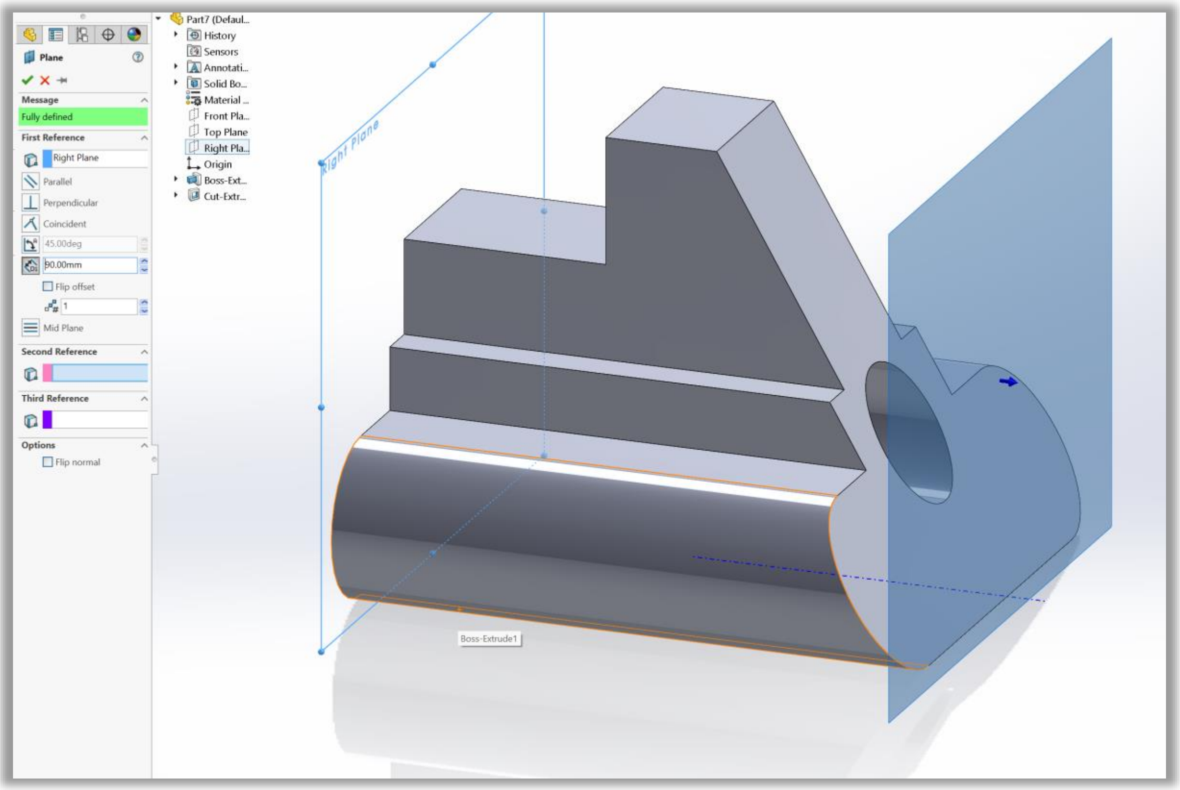


14. Use extruded cut feature as shown

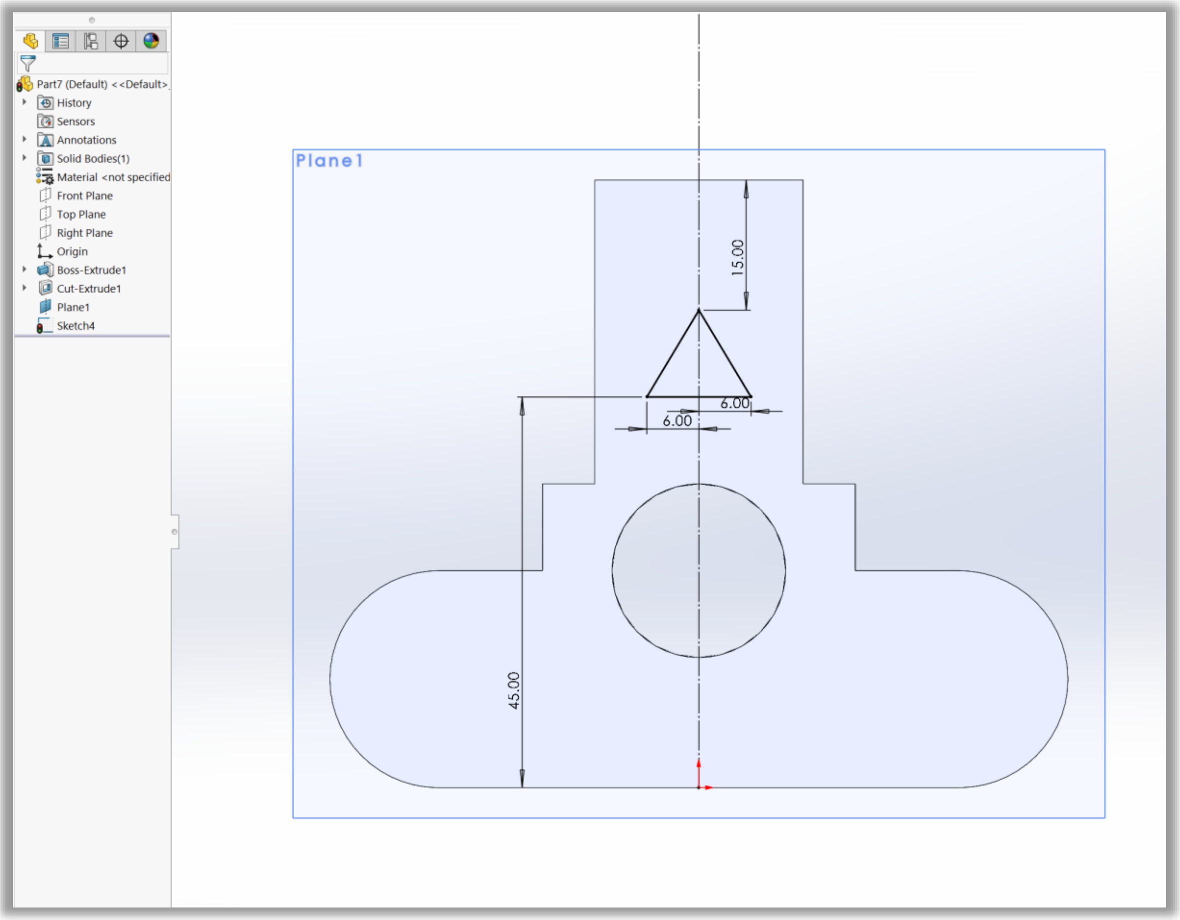
15. CLICK Ok to get this



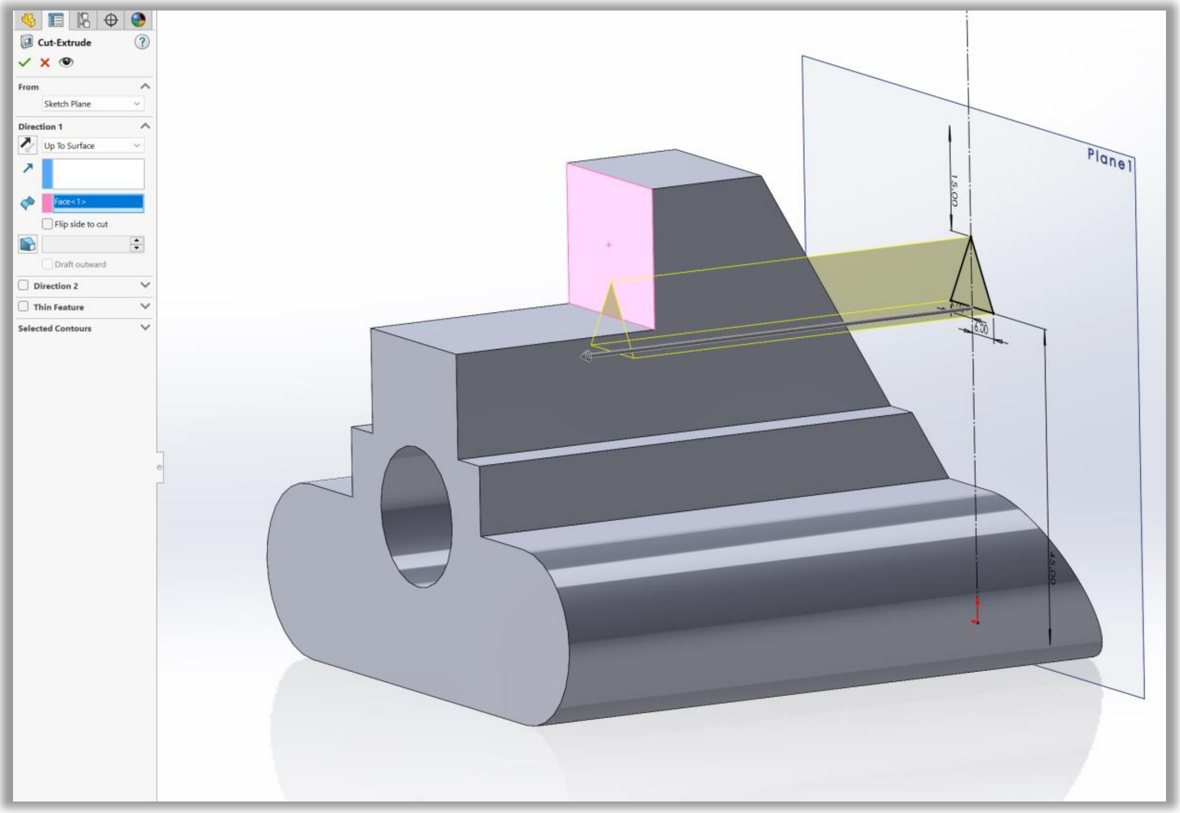
16. Make a reference plane 90mm away from right plane



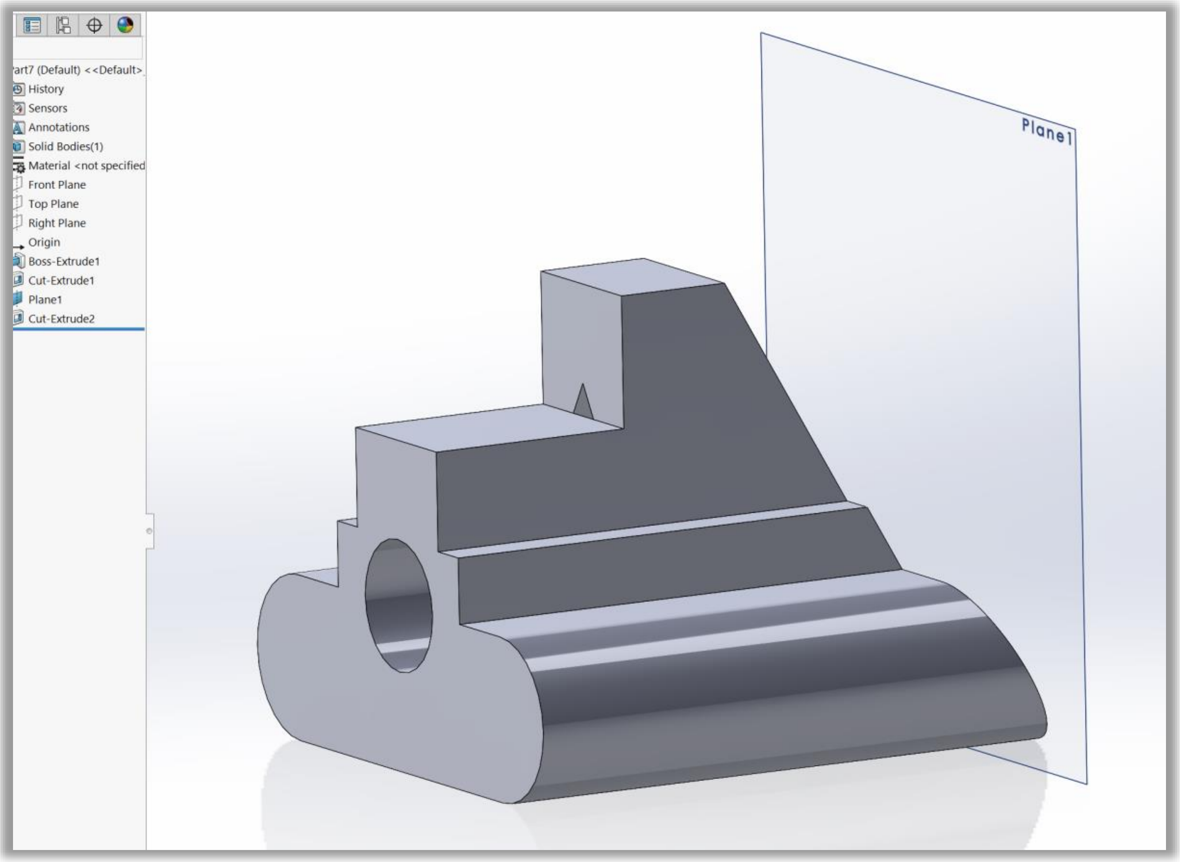
17. On the inserted plane, draw a sketch as shown



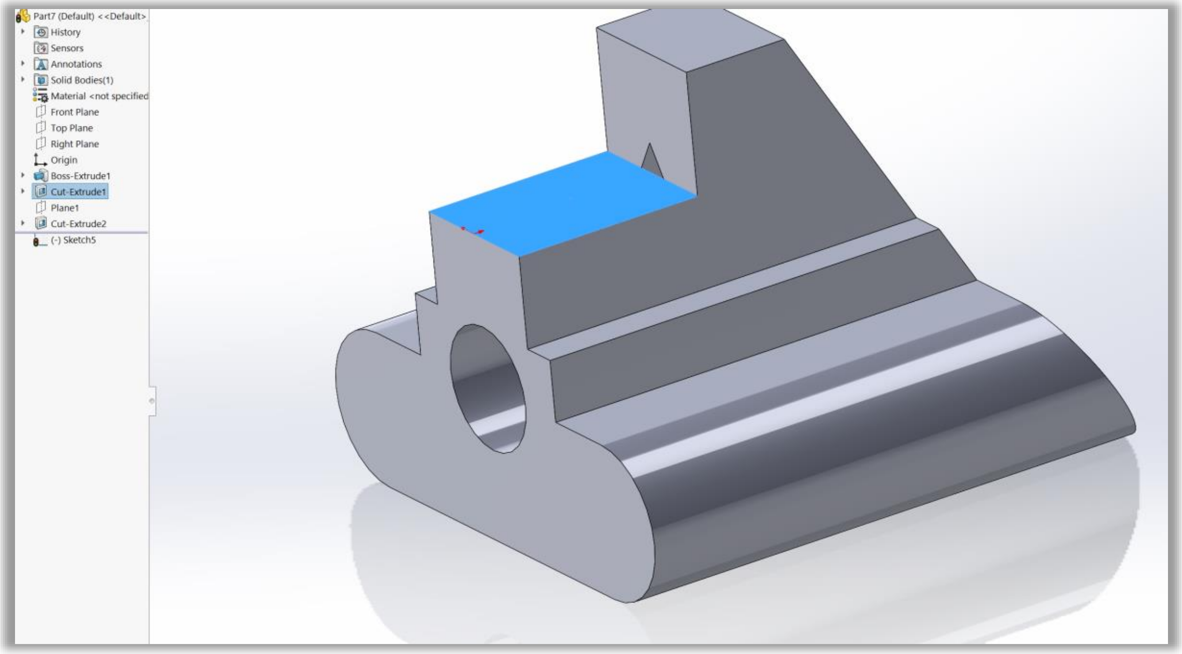
18. Use the extruded cut feature with the parameter “up to surface” and select the surface as shown in pink



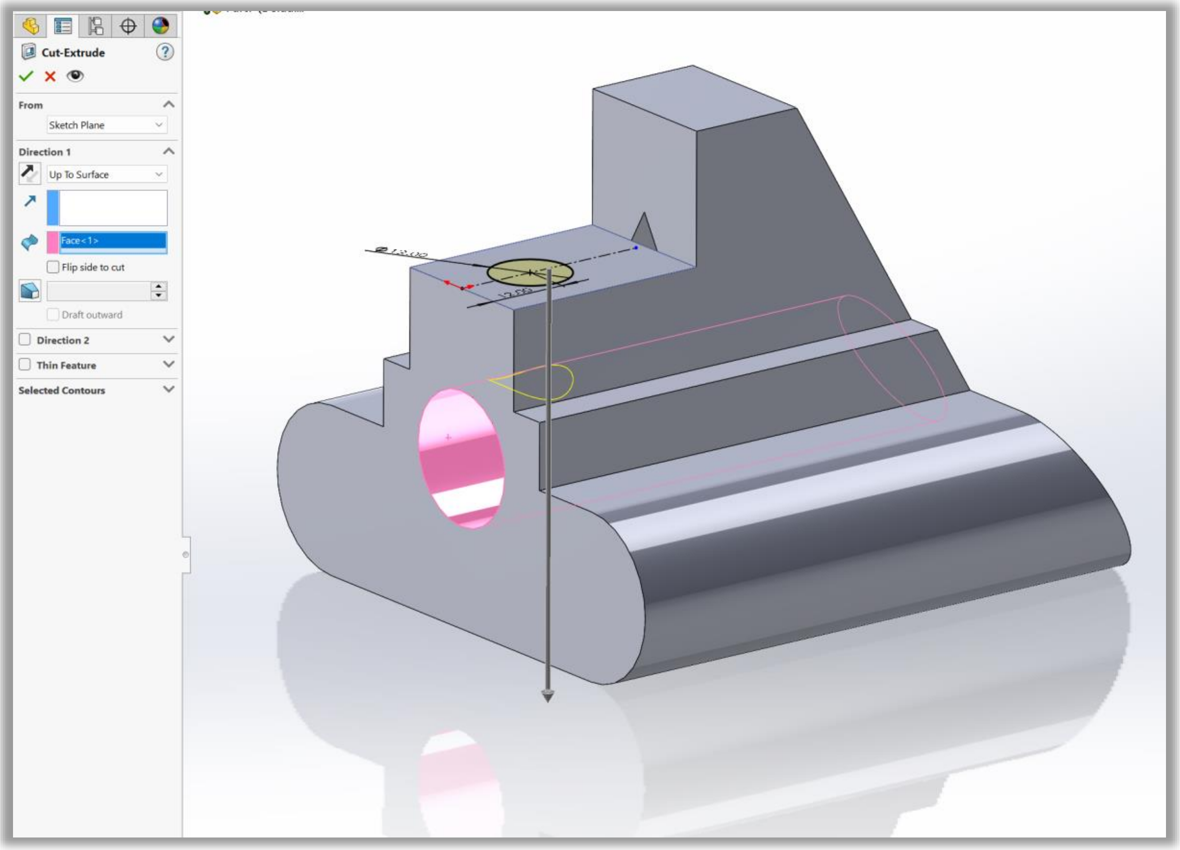
19. Clicking OK you will get this



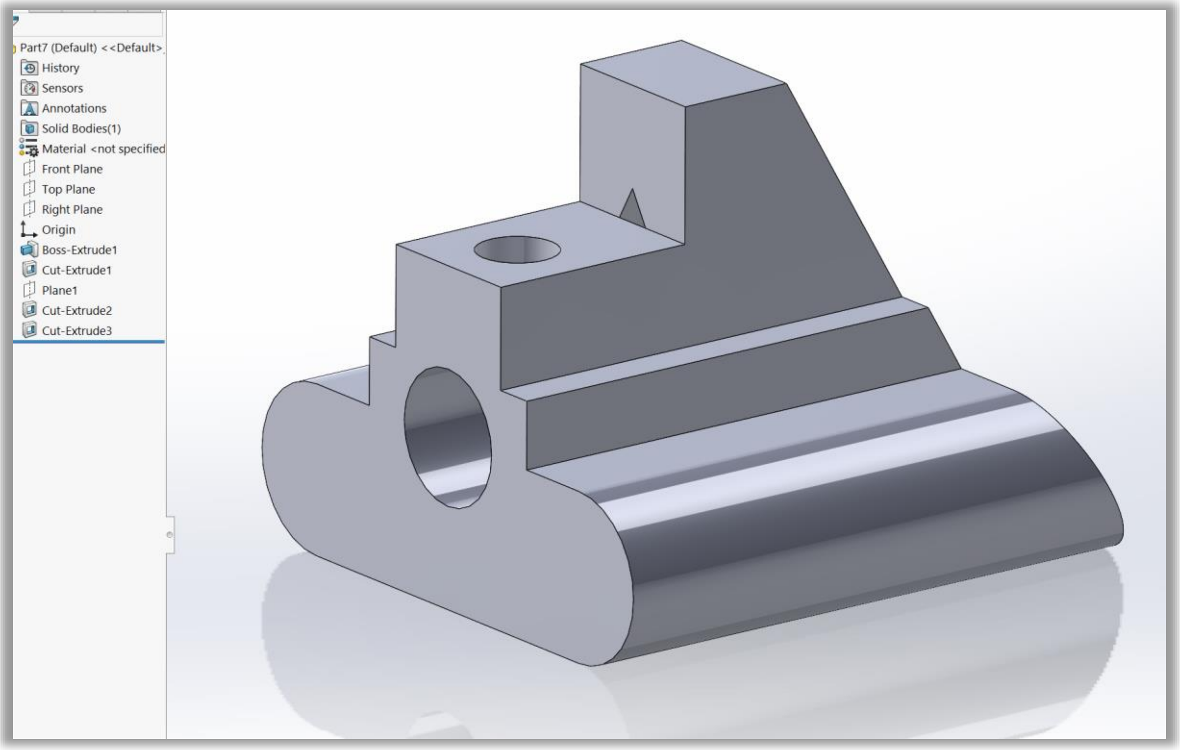
20. Select the blue plane for sketching



21. Sketch as shown and use the extrude feature with "up to surface" parameter as before



22. And get this



23. Now the model is complete