



Solid Edge – Getting Started (Assignment-1)


How to Set the Environment and Start creating a part:

- Open SolidEdge
- Under the create menu, select “ISO metric part”
- Once a new file is open, right click and select “Transition to Ordered”
- Make sure the drop-down list of the left side reads “Ordered”
- You may also view the references planes by ticking the box near “Base Reference Planes” on the left side menu.
- Save the file with a name and location by selecting the  button on the top-left corner of the screen and selecting the “Save As” option. Make sure you are also saving the file at regular intervals, lest you lose your data.

How to Start Sketching:

- Select the Sketch option in the Home tab of the commands on the top.
- Select a plane you want to draw your sketch on
- After clicking on the reference plane, the view should change to sketch view automatically. If it does not, you can go the  option on the bottom-right side of the window. Or you may also press Ctrl+H to go the sketch view.

How to Sketch:

- Use the line command in the Home>Draw panel on the top.
- Select the starting point of the line. If you want it to be linked to any particular location, hover the mouse near the location. A point indicator  will show up near the mouse arrow. Left-click at that instant.
- You can then give the dimensions of the line.
- Also, look out for indicators near the mouse arrow prompting for horizontal/vertical lines etc.
- You may also similarly, explore circle, trim, mirror and other sketching options in the draw menu.
- Once the sketching the done, click the “Close Sketch” option to come out of the sketch mode.

Navigating the Space:

- Rolling the roller of the mouse will scale up/down the view.
- Pressing the middle button and the moving the mouse will “rotate” the view.
- You can also explore more viewing options in the bottom-right corner of the Window.
- If you are not sure of the purpose of any icon, just hover your mouse above it without clicking. It will prompt a small explanation display of that particular icon.

How/When to Submit the Assignment:

- Save your files at convenient/marked locations from time to time. You also work and improvise them after the lab hours.
- The deadline for the assignments is two weeks from the day the related theory class is held. For example, for this Assignment, as the theory class was held on 9th August from 2:230 PM to 4:00 PM, the assignment submission deadline would be 2:30 PM on 22rd August. So you can submit the assignment any time before that deadline.
- The assignments must be submitted via google classroom account.
- You MUST follow the following naming convention for the files: each of the file should be named as A<assignment number>_<Roll Number>_<Problem Number>. For example, for a student with roll number ME17BTECH11031, working on the 3rd problem in Assignment-1, the name of the file should be A1_ME31_3.par

Solid Edge/AutodeskFusion360

Exercise.No.1

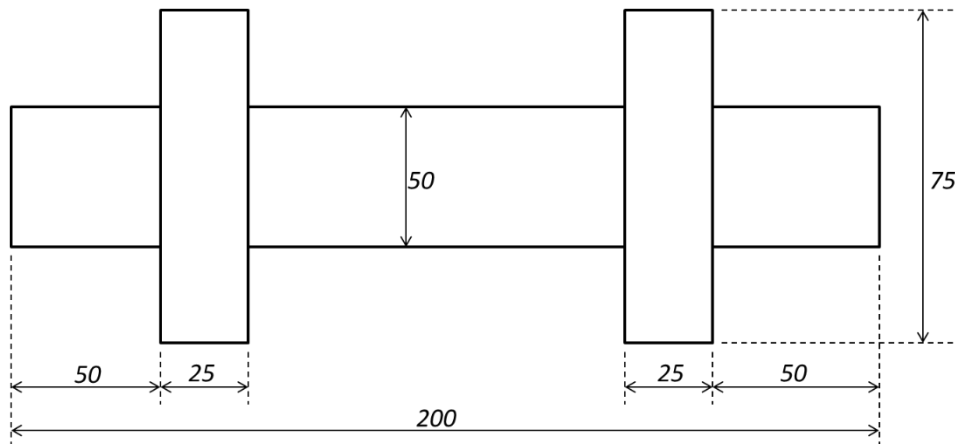


Figure - 1

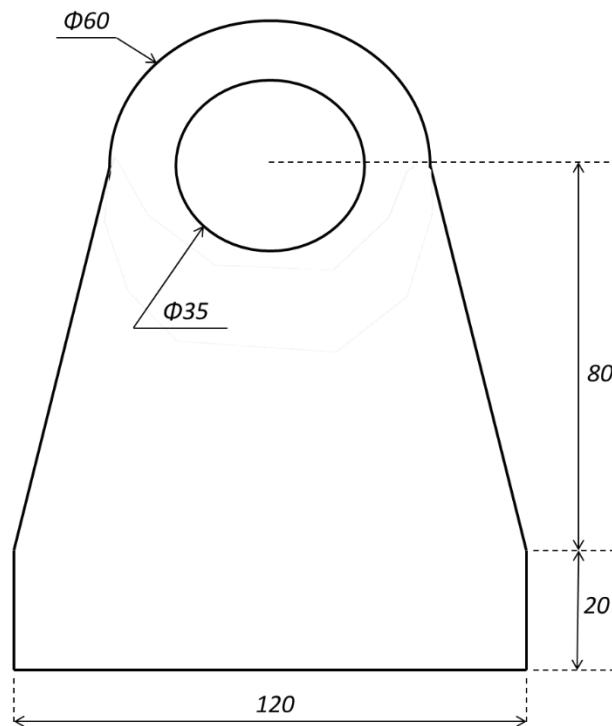


Figure - 2

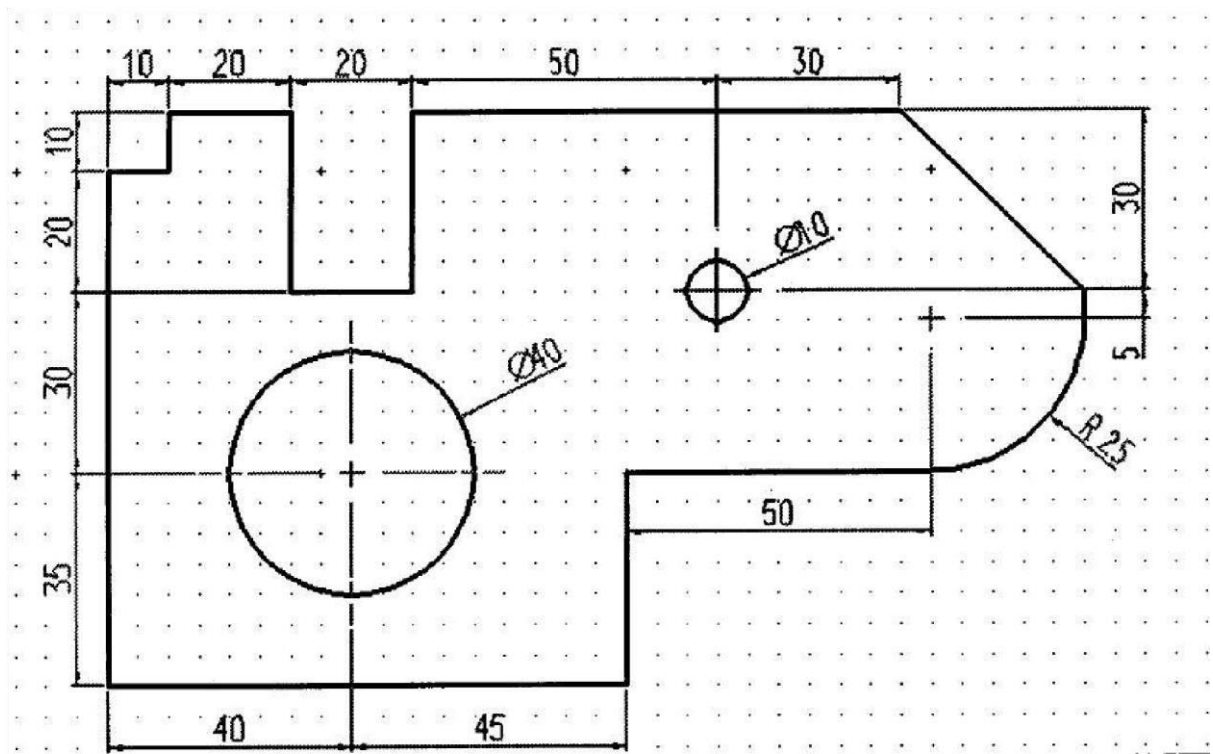


Figure - 3

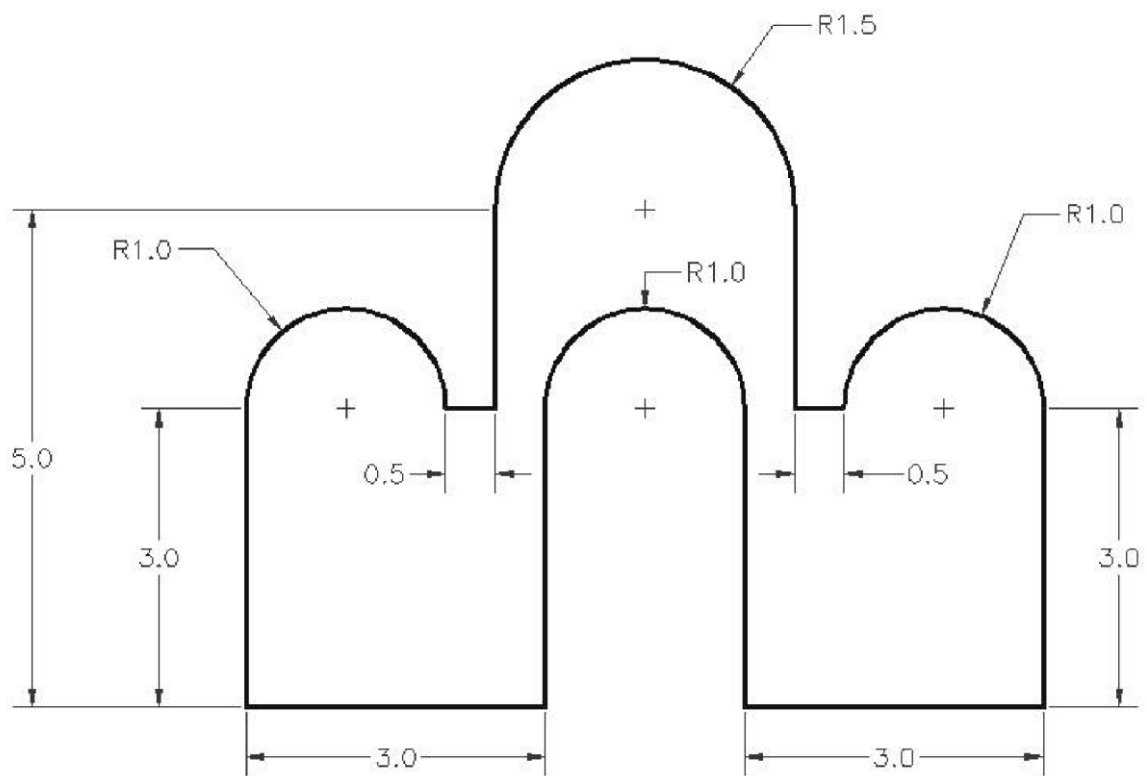


Figure - 4

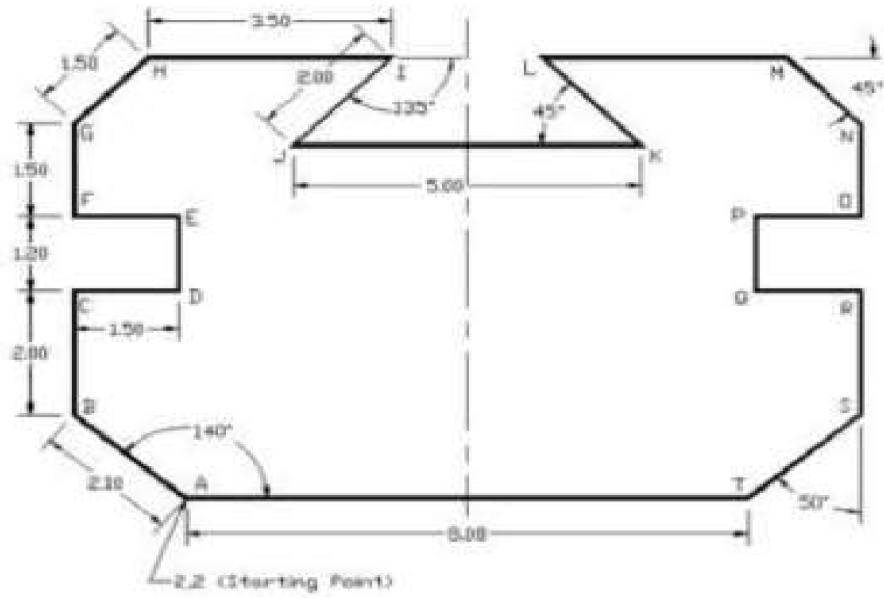


Figure - 5

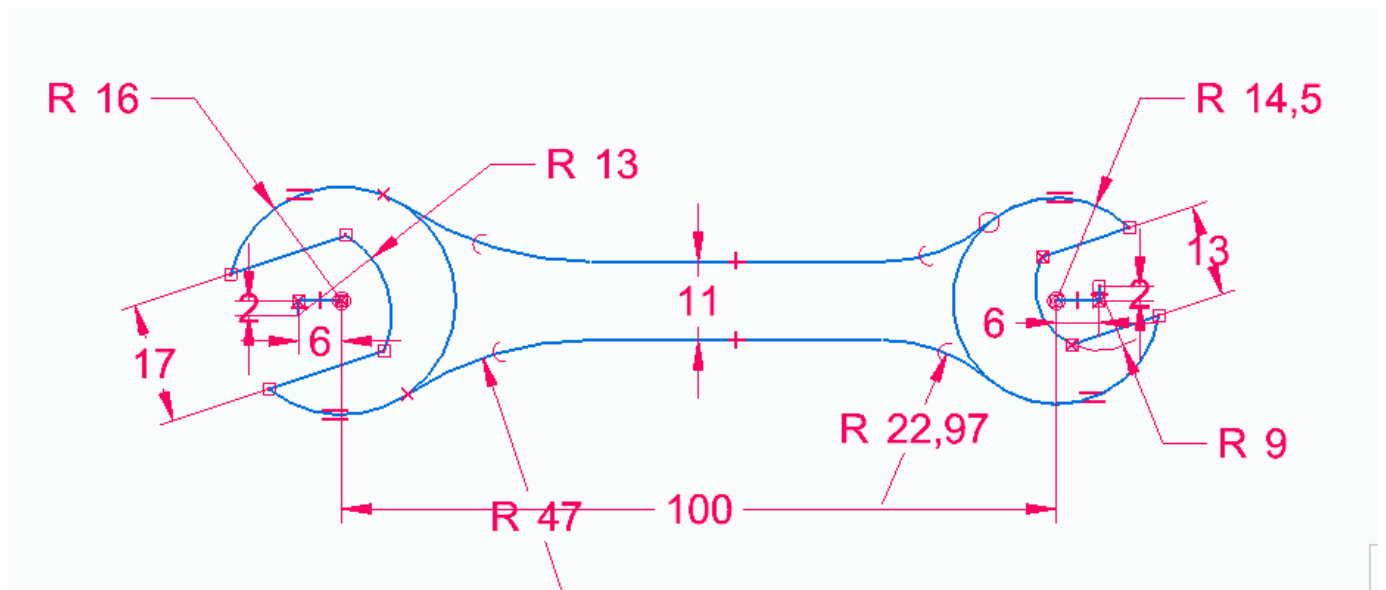


Figure-6