

ME 1403 Engineering Practice & Graphics

# Lecture 10

Chapter-6

Instructor:

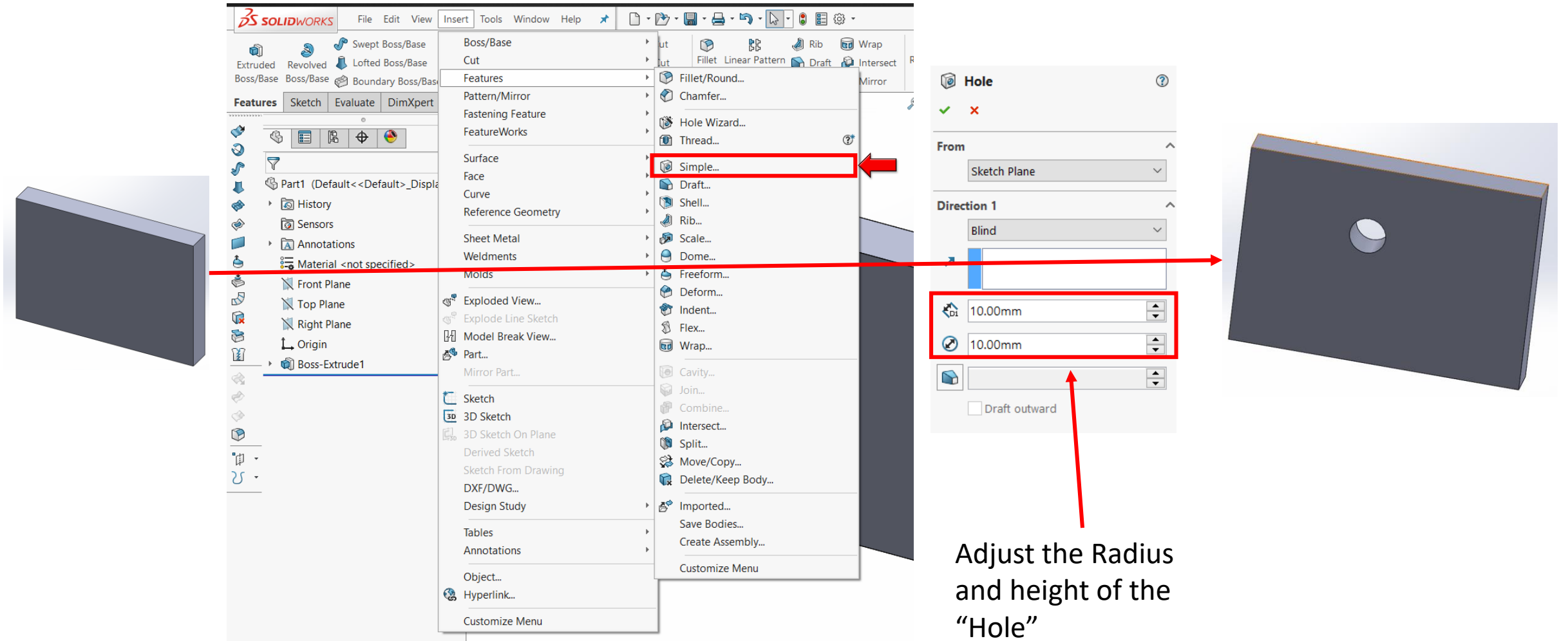
Syed Hasib Akhter Faruqui

[Email: shafnehal@gmail.com](mailto:shafnehal@gmail.com)

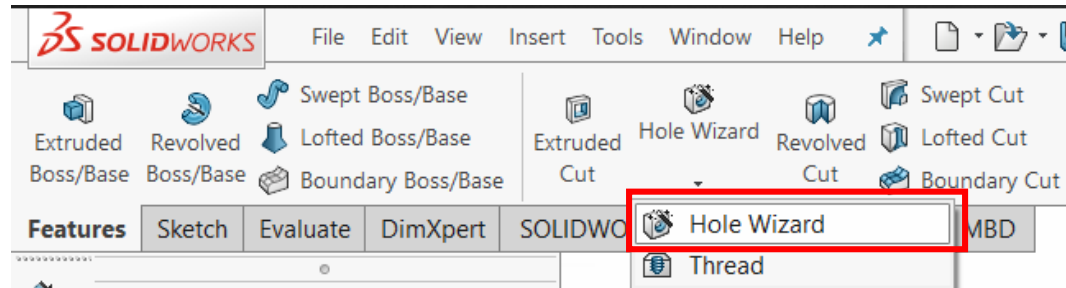
# Outline

- Tools / Methods
  - Simple Hole
  - Hole Wizard
  - Thread
  - Fillet /Chamfer
  - Shell
- Practice
  - Exercise- 1

# Simple Hole

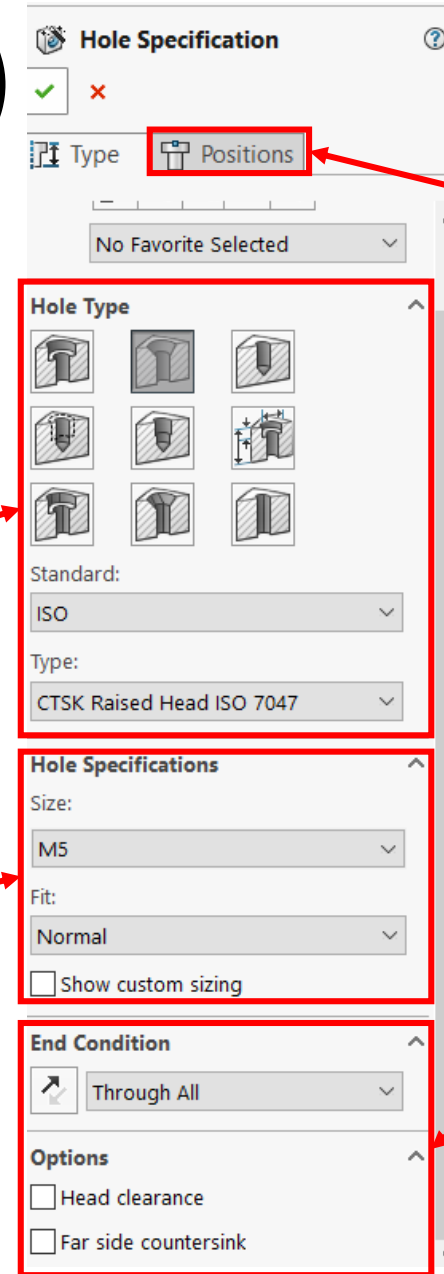


# Hole Wizard (Advance)



Select the type of hole (We have 9 different types!) you need and it's standard type.

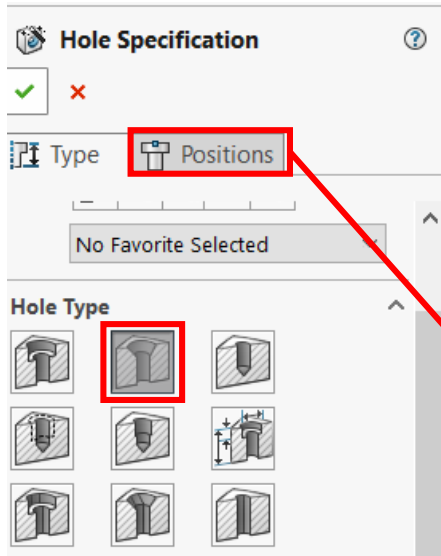
Select the hole size and it's fit type. You can use user defined sizing also.



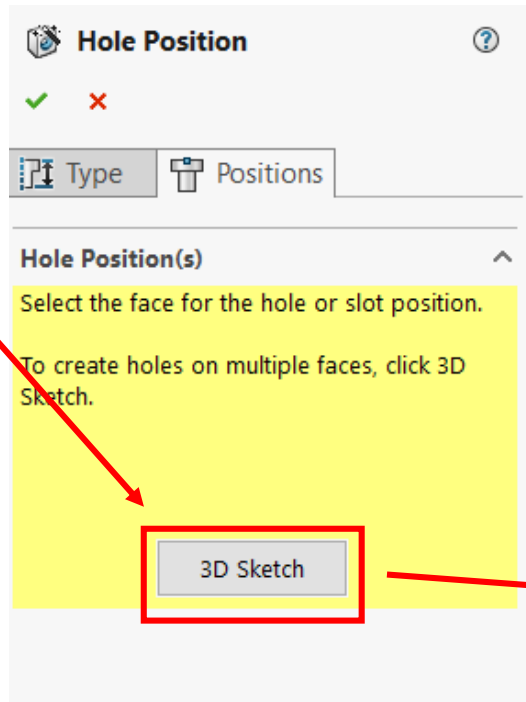
Select the position of the hole using this tab (Explained in next slide)

Other necessary Options. We will explore these during the class

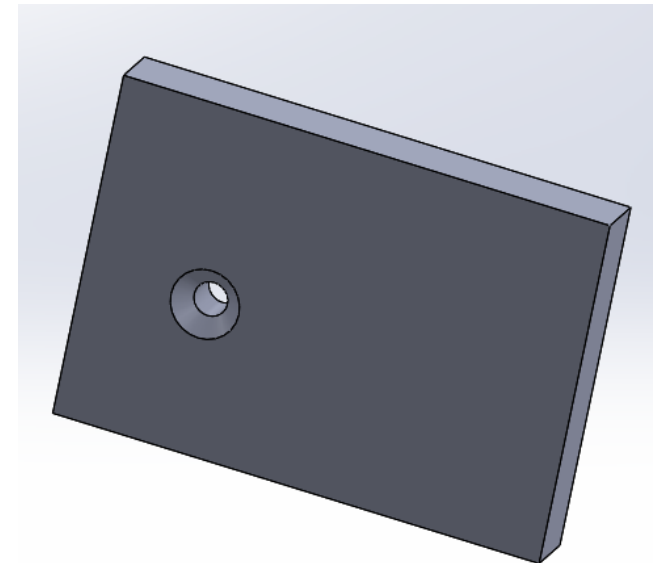
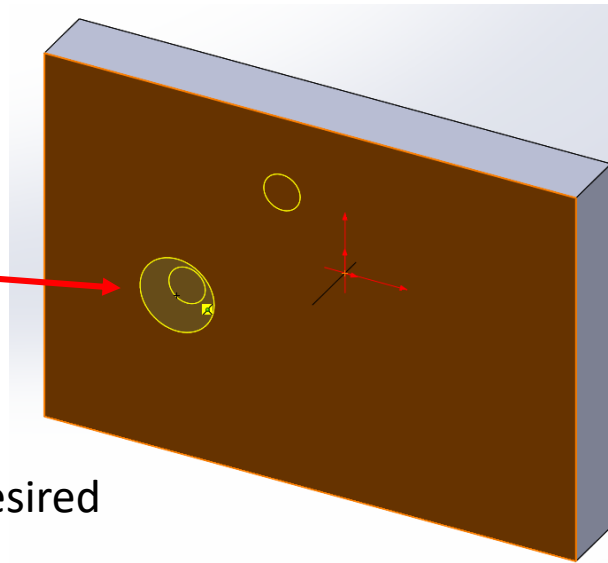
# Hole Wizard (Advance)



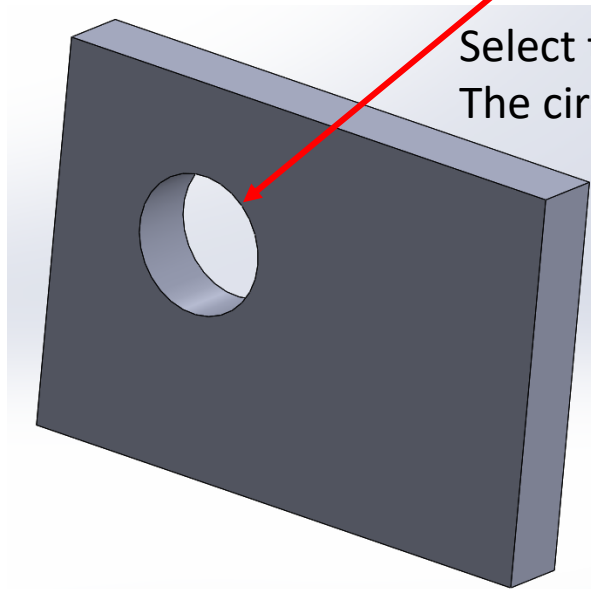
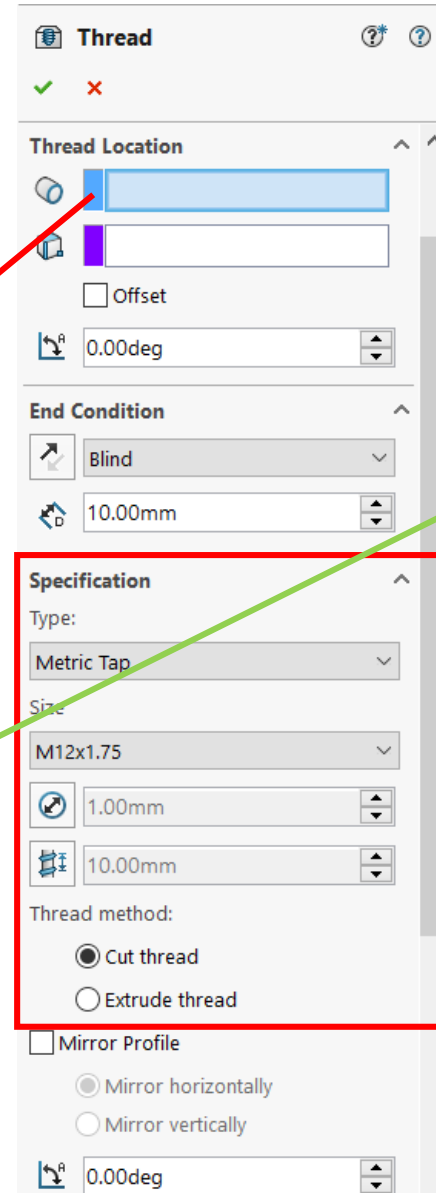
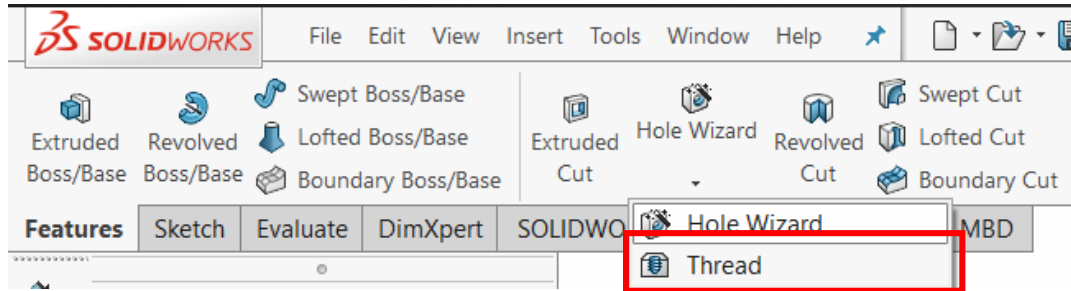
Select the Hole Type



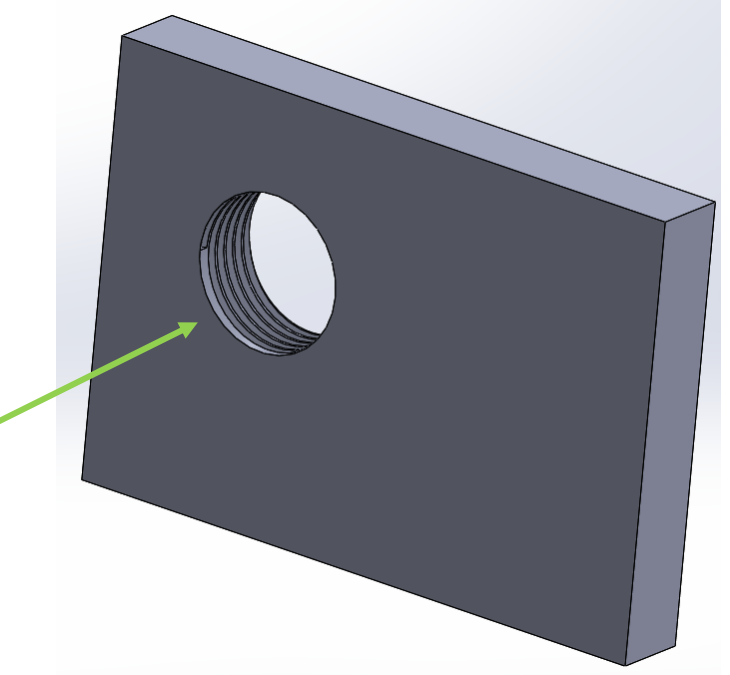
Select the desired position



# Thread



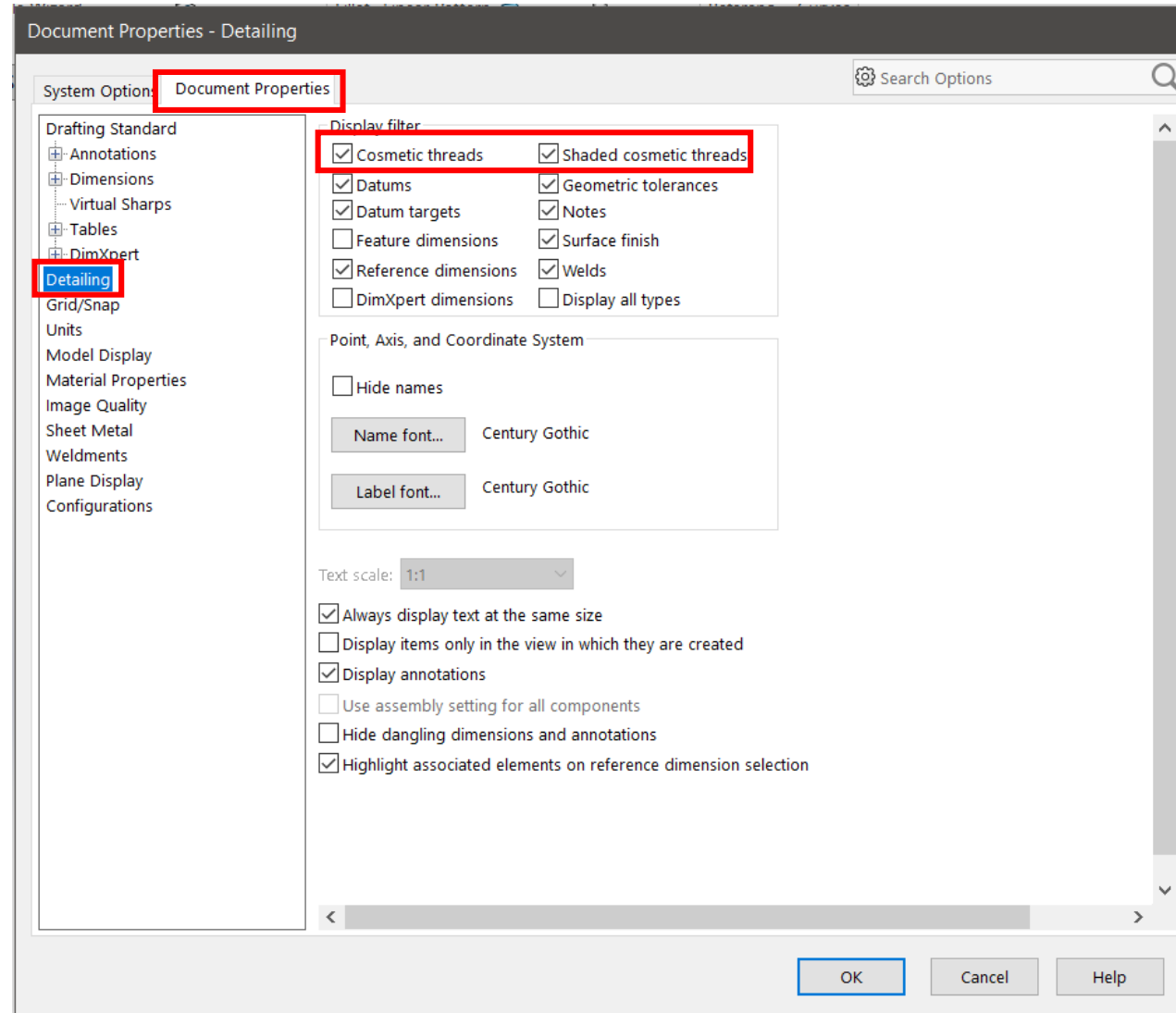
Select the Edge of The circle.



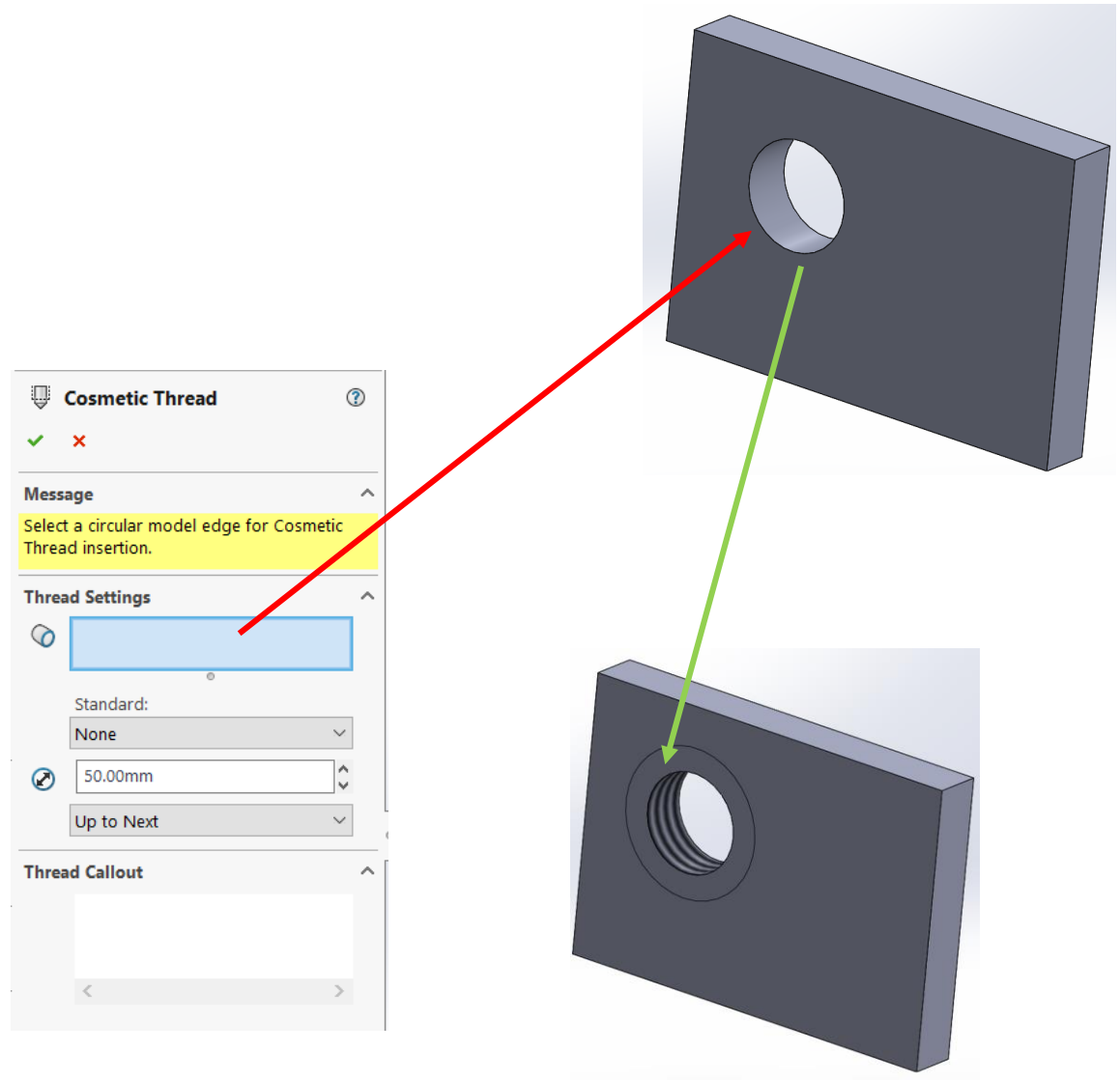
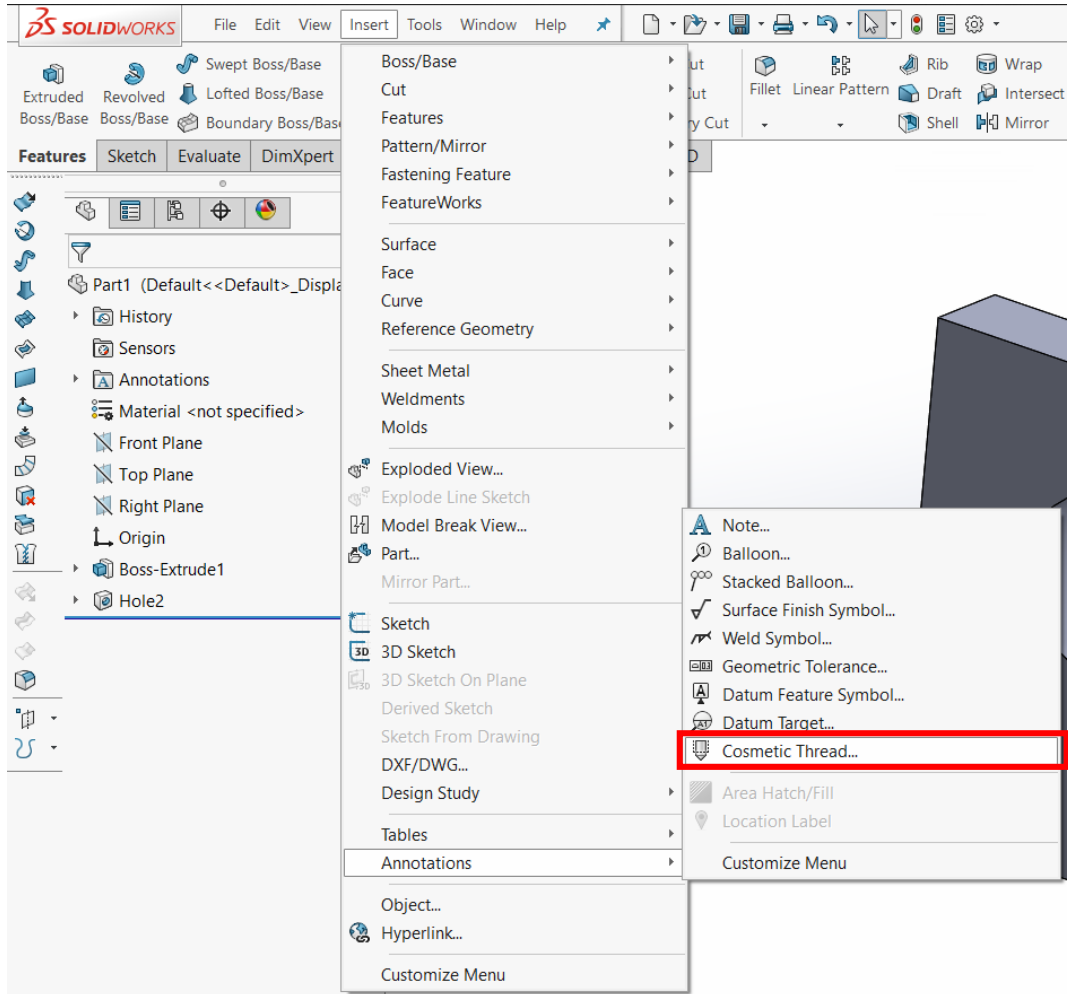
Select the Specification of the Thread you need. More Discussion during the class!

# Thread (Cosmetic Thread Setting)

From Document Option, select the shown Options

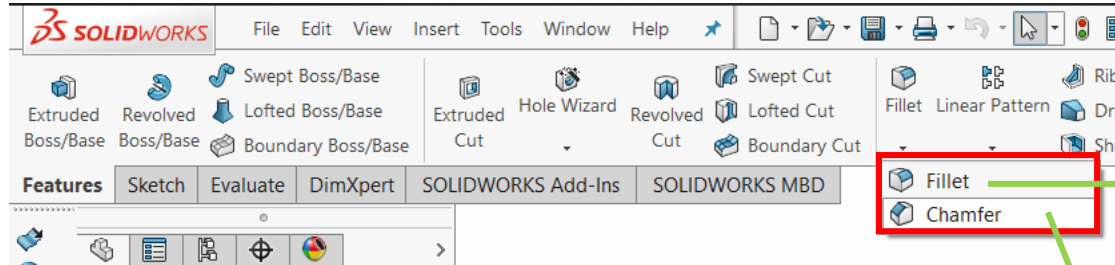


# Cosmetic Thread

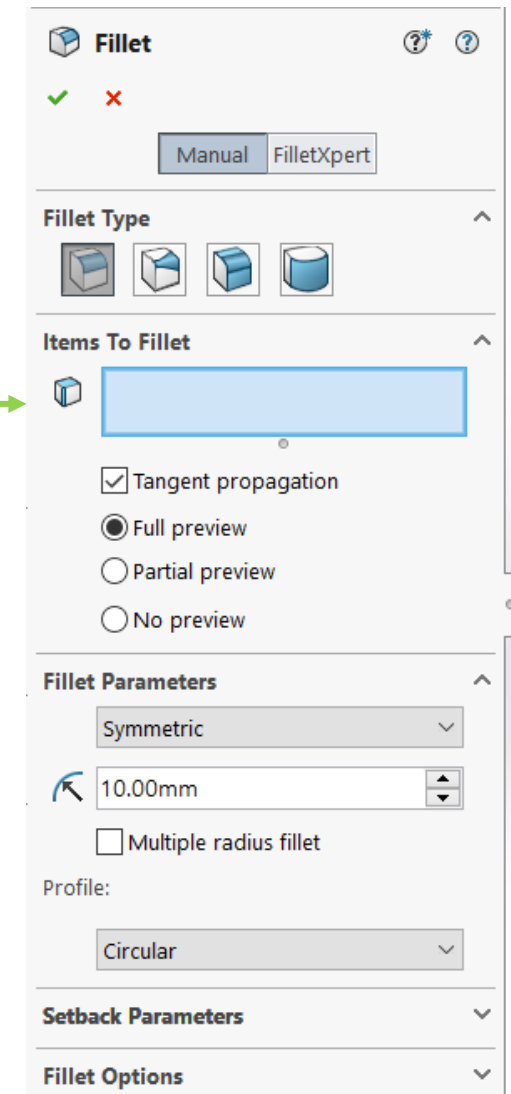
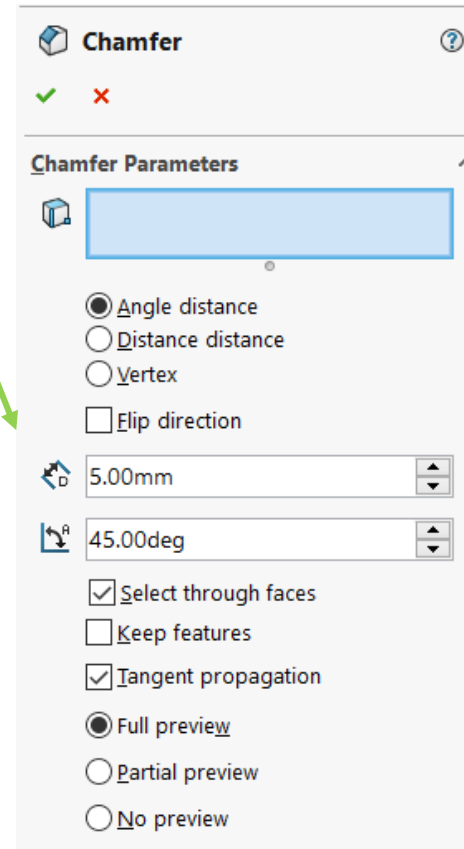




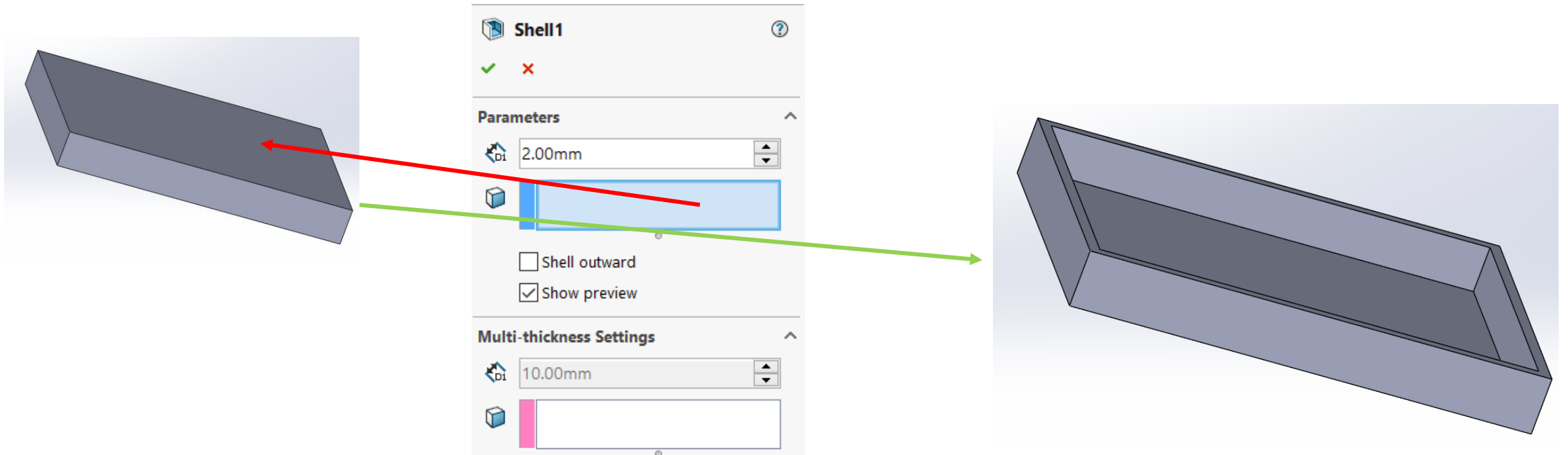
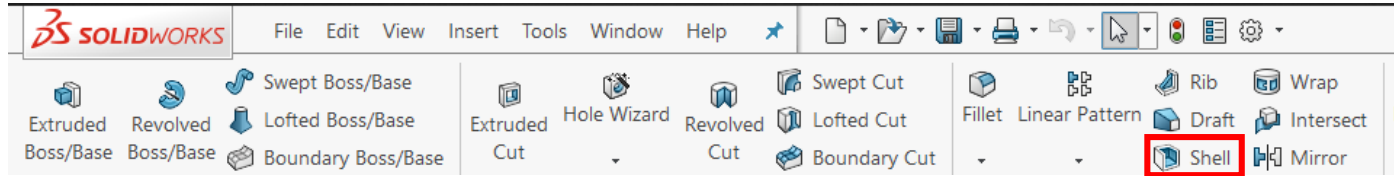
# Fillet / Chamfer



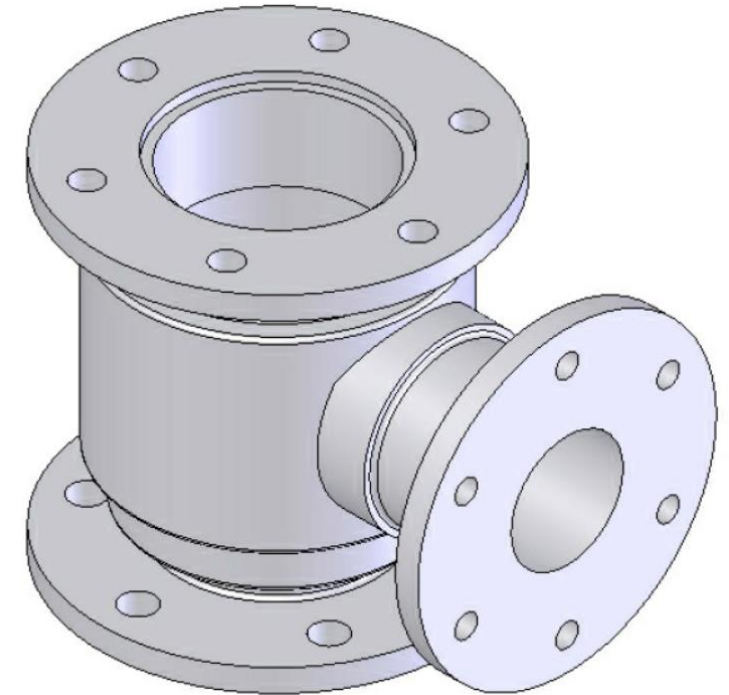
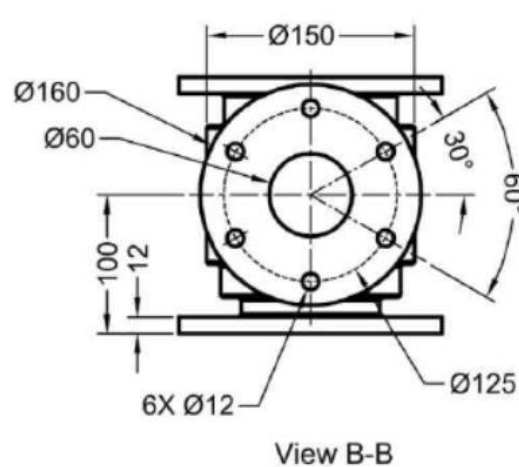
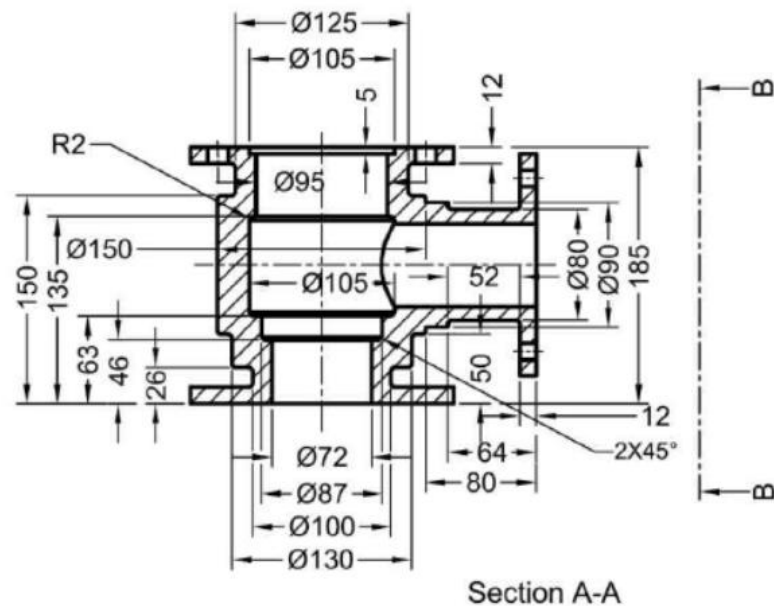
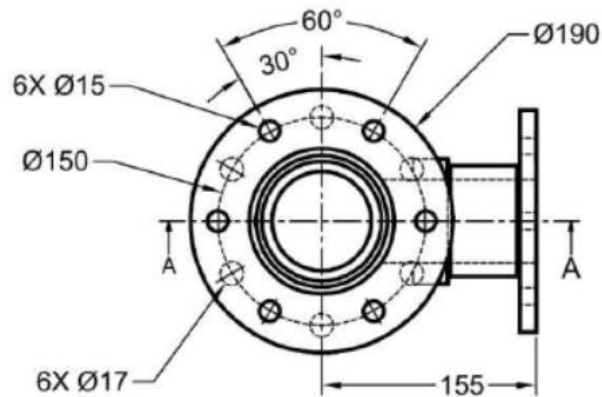
Details during the class!



# Shell



# Exercise-1 (Will be Graded)



**Note:** All fillets are of Radius 2

**Hint:**

- 1) Revolve Boss
- 2) Extrude Cut
- 3) Multiple Plane

# Submission Rules

- Homework's are due **at the Sunday 11.59 P.M.** of the following week (*More Discussion on next class*).
- Quiz's will be taken (*More Discussion on later classes*).
- Submit everything via **Blackboard**.
- Copying your assignments are **prohibited**. If you do so, you and the individual you copied from will receive a **grade zero**, plus both of you will be referred for actions as described in the university's policy for academic dishonesty. ([Read Section 203 of the Student Code of Conduct 2013-2013 UTSA Information Bulletin.](#))