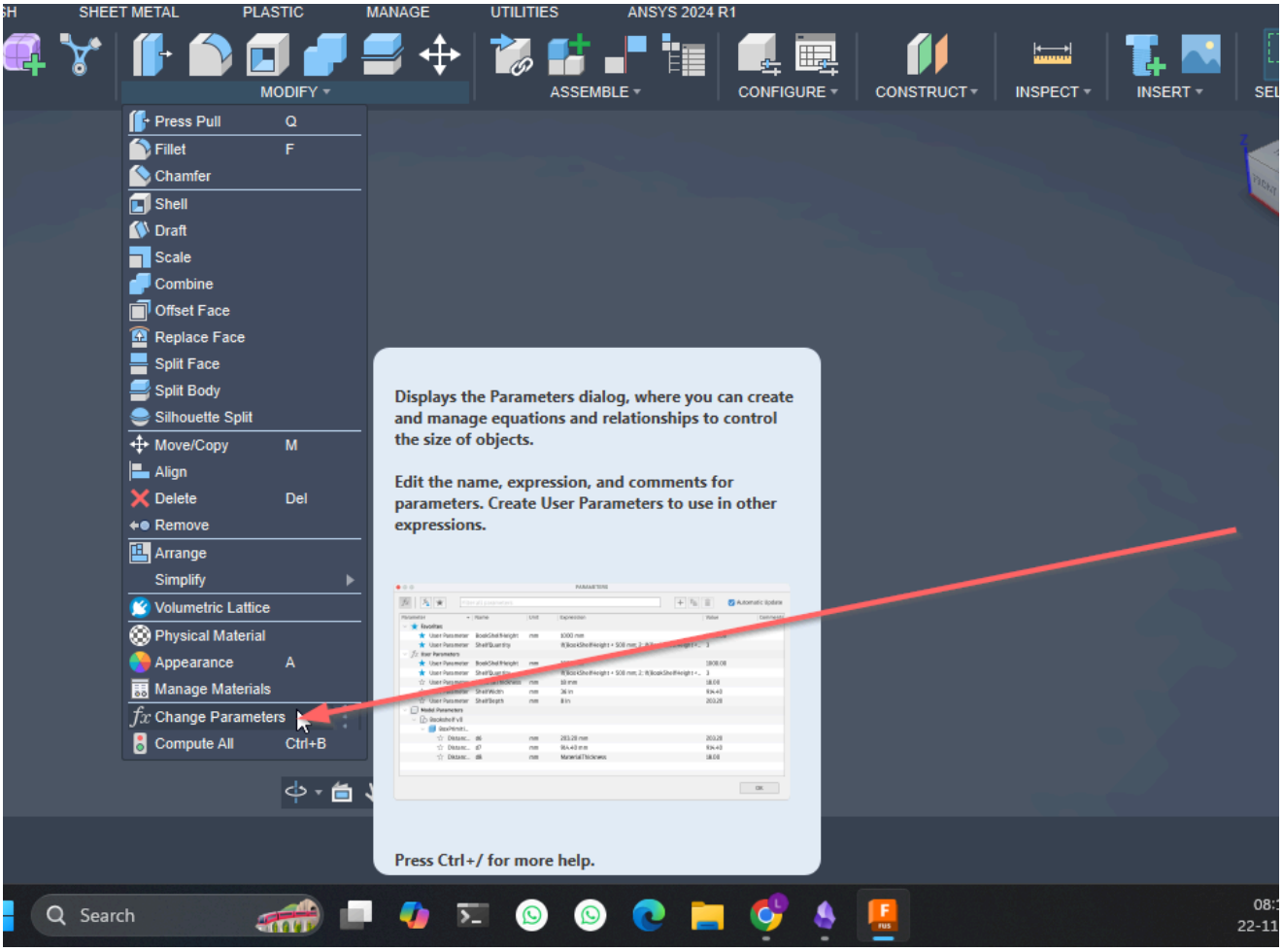
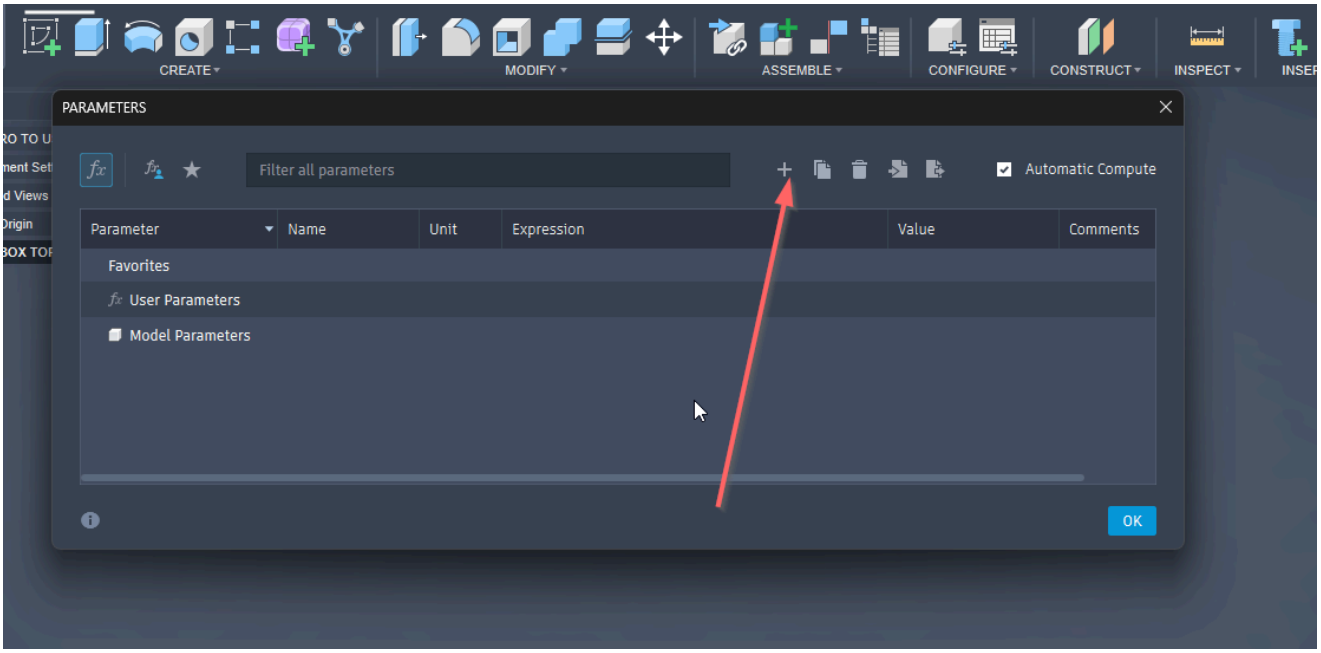
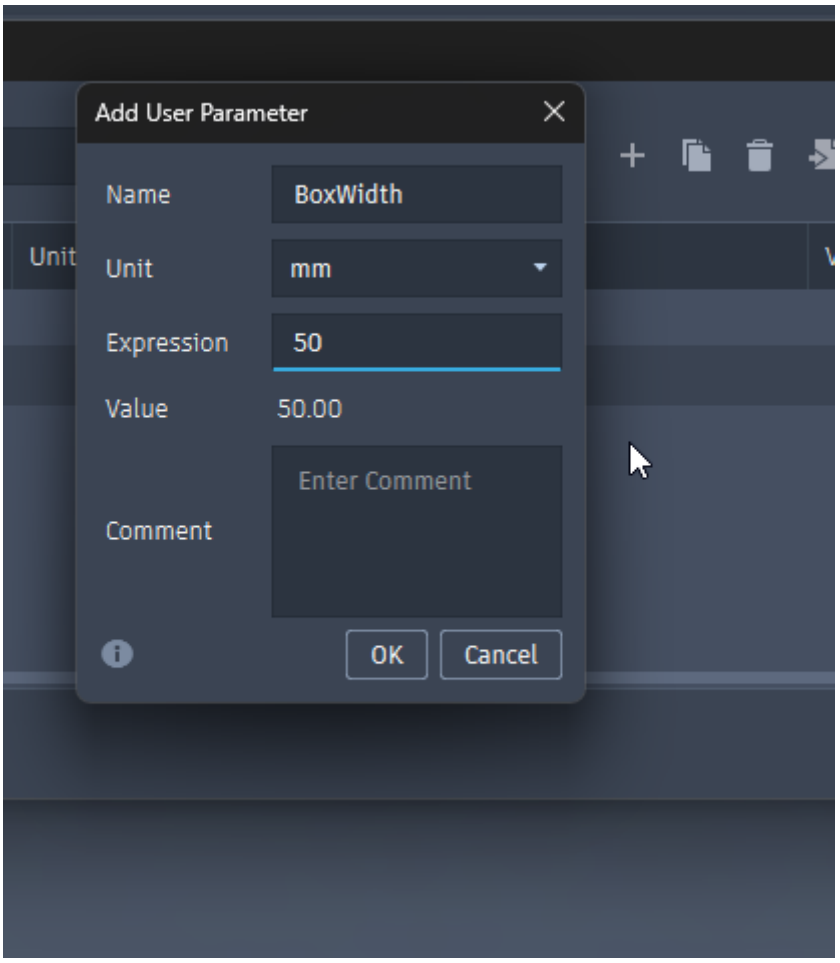
User Parameters & Joints



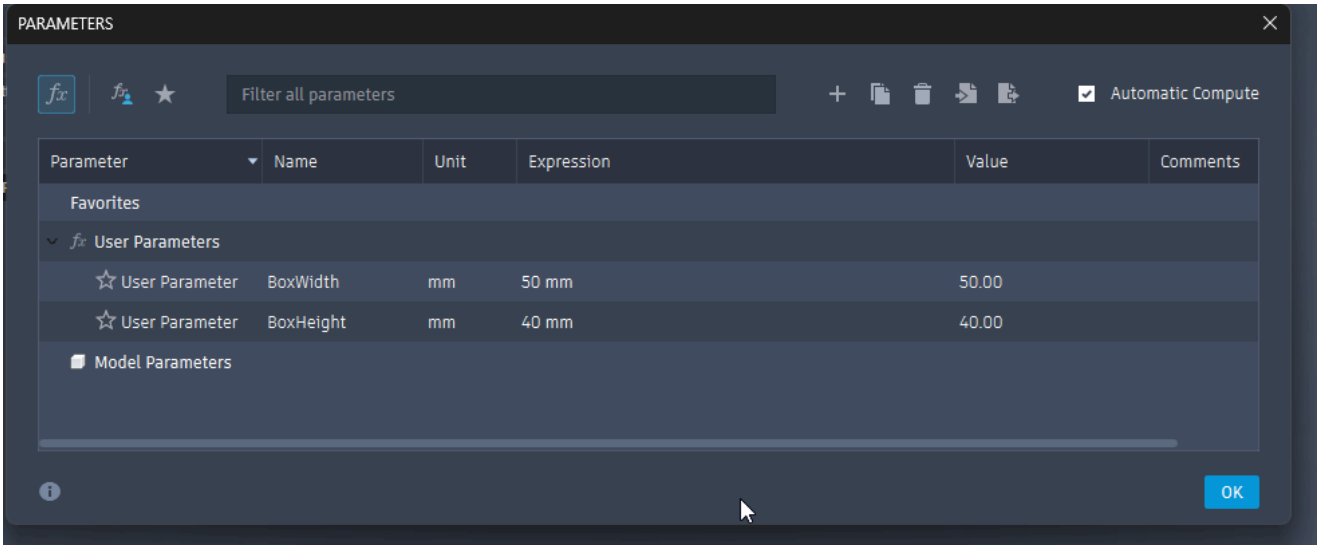
GO TO **CHANGE PARAMETERS**



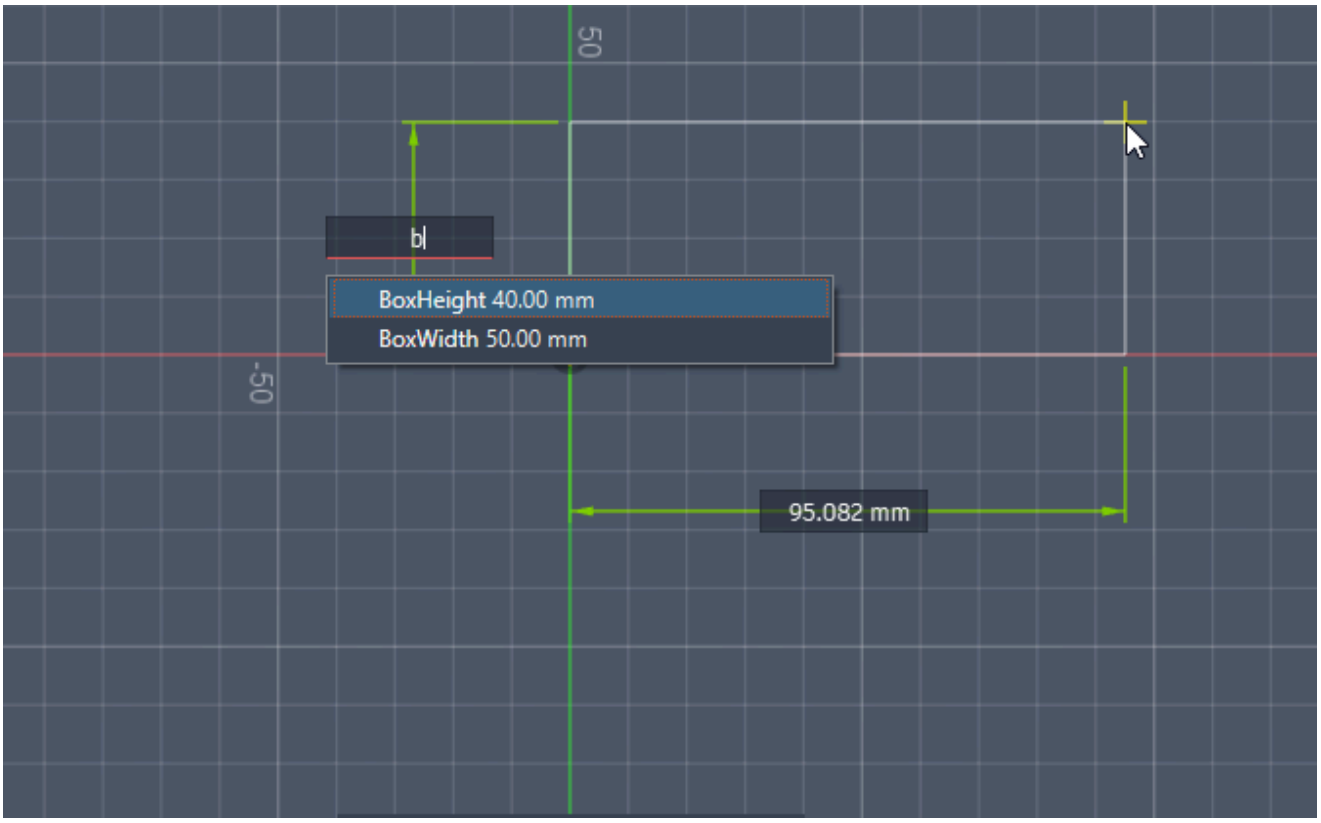
THIS WINDOW WILL APPEAR → CLICK ON **PLUS ICON**



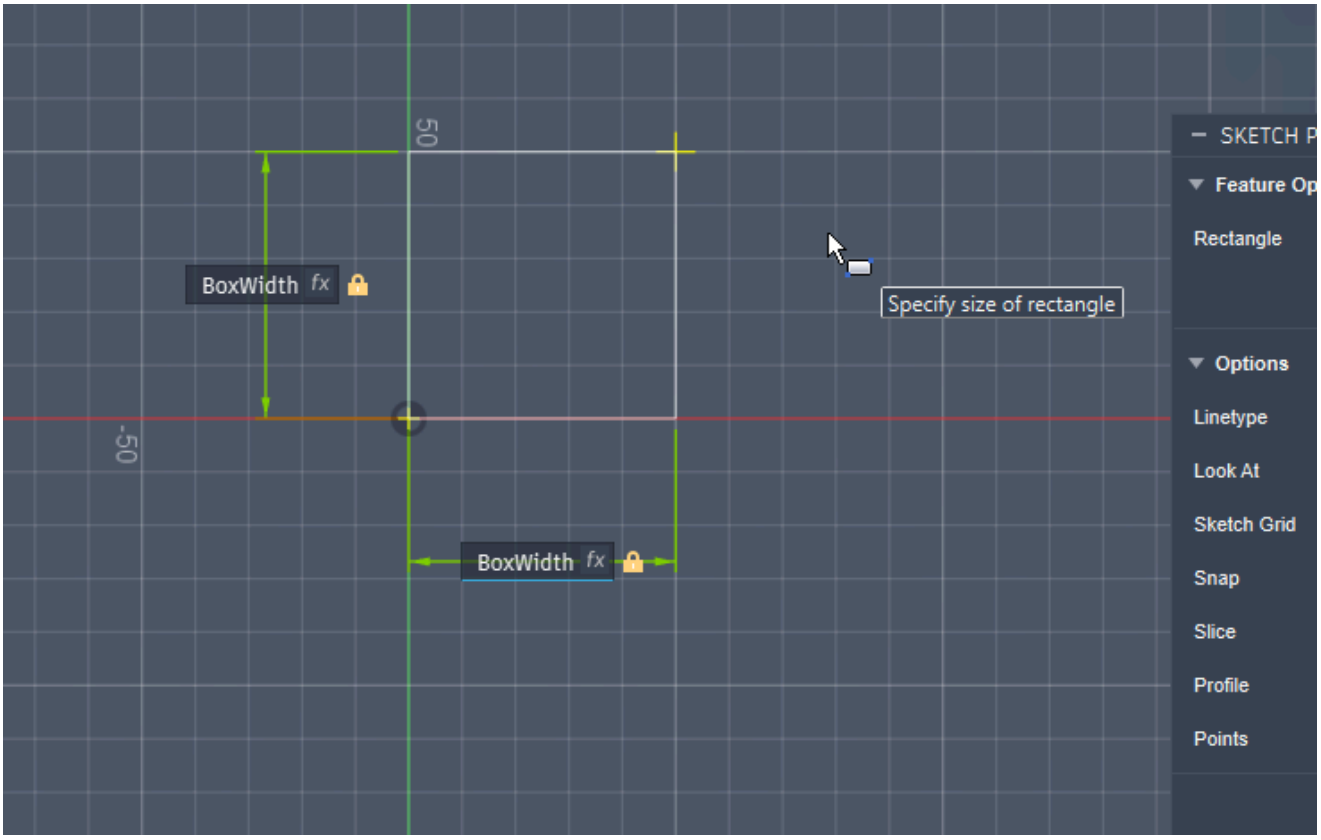
Set parameters like this.



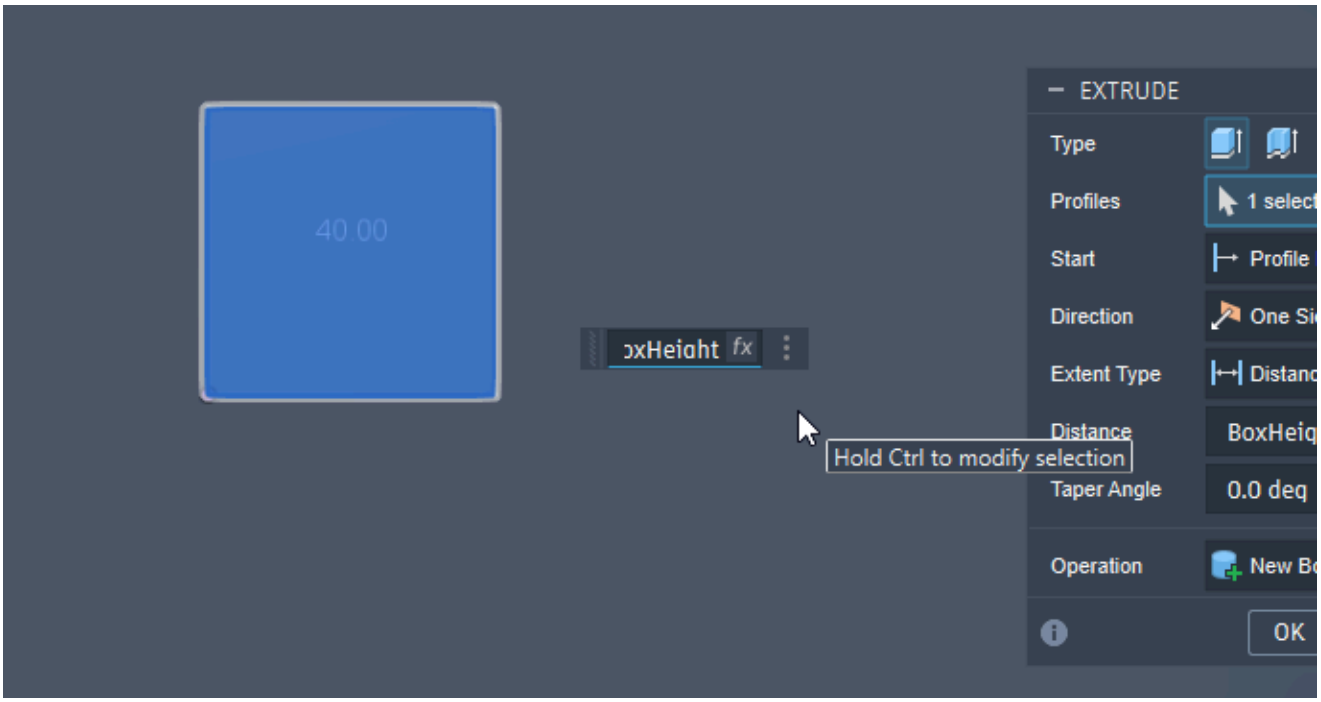
Make a **BoxHeight** parameter too.



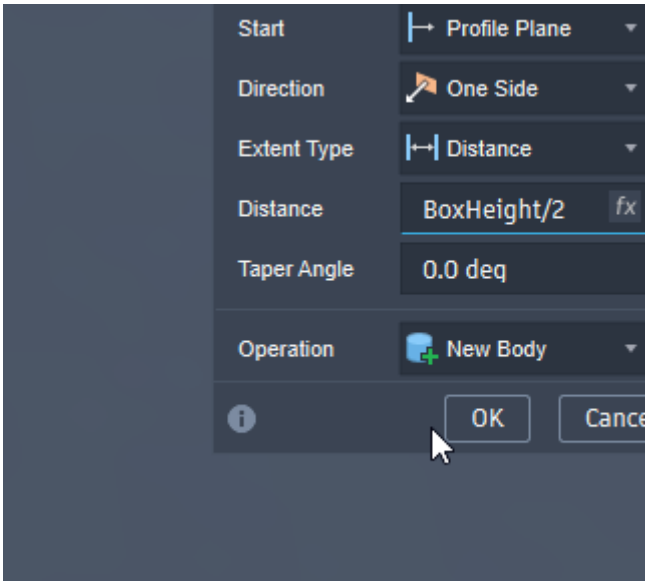
Now make a sketch of **2-point rectangle** on the **XY axis**
and set the dimensions using the parameters.



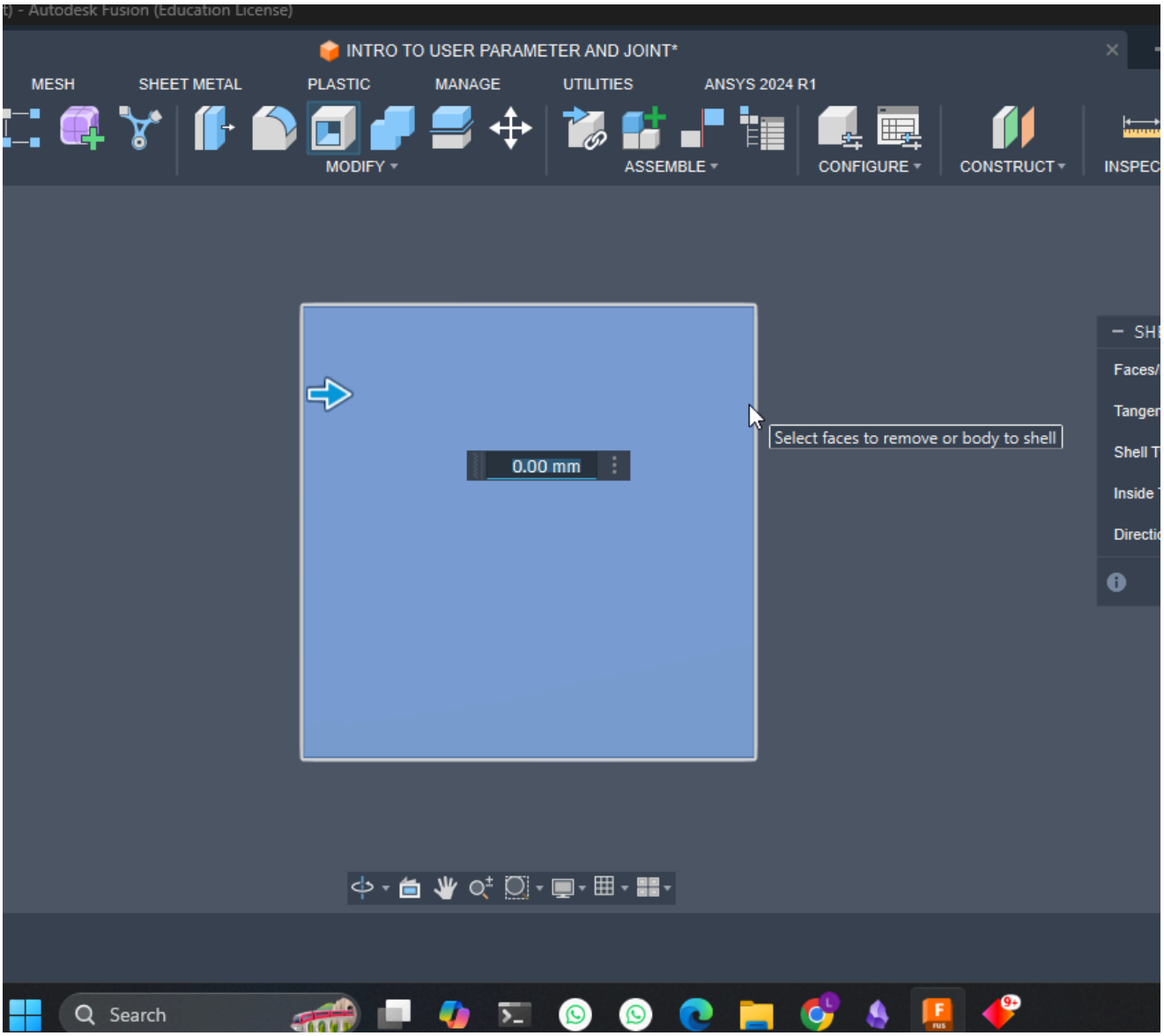
Result.



Extrude using the dimension set in the parameter.

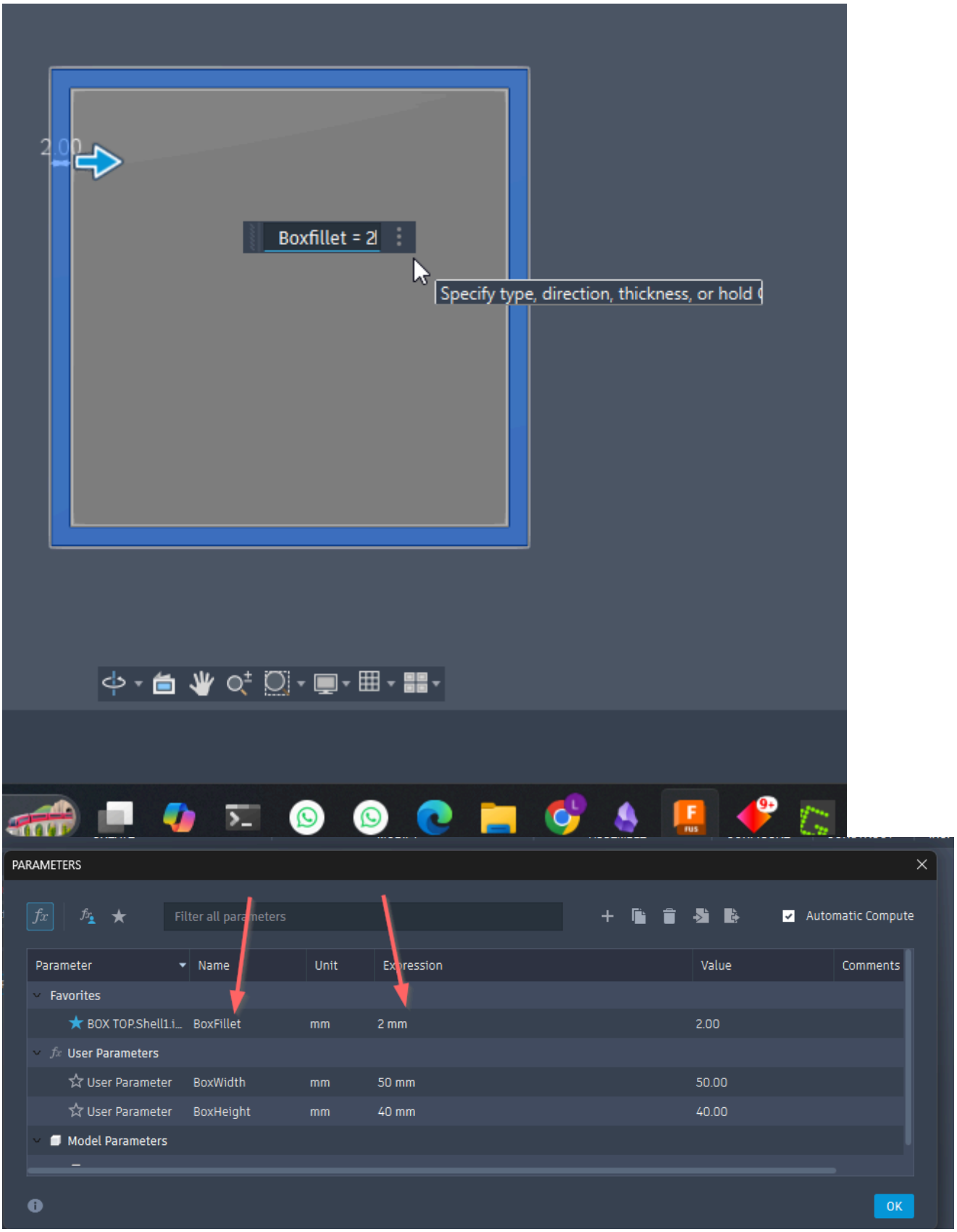


Use: **BoxHeight / 2**

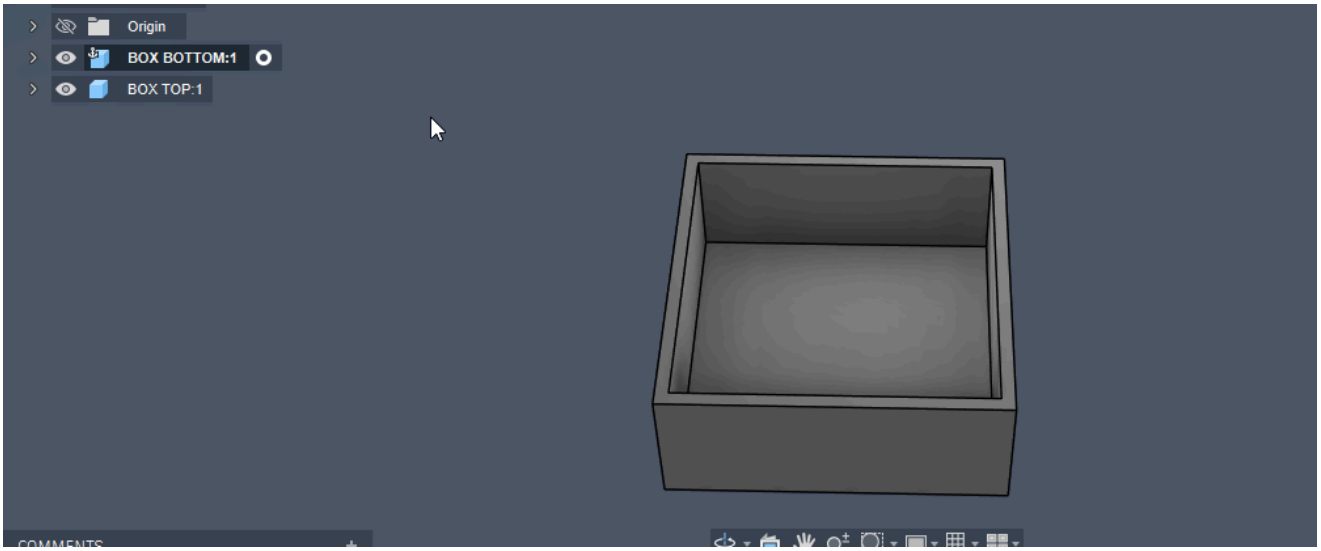


Now we will set **Shell**.

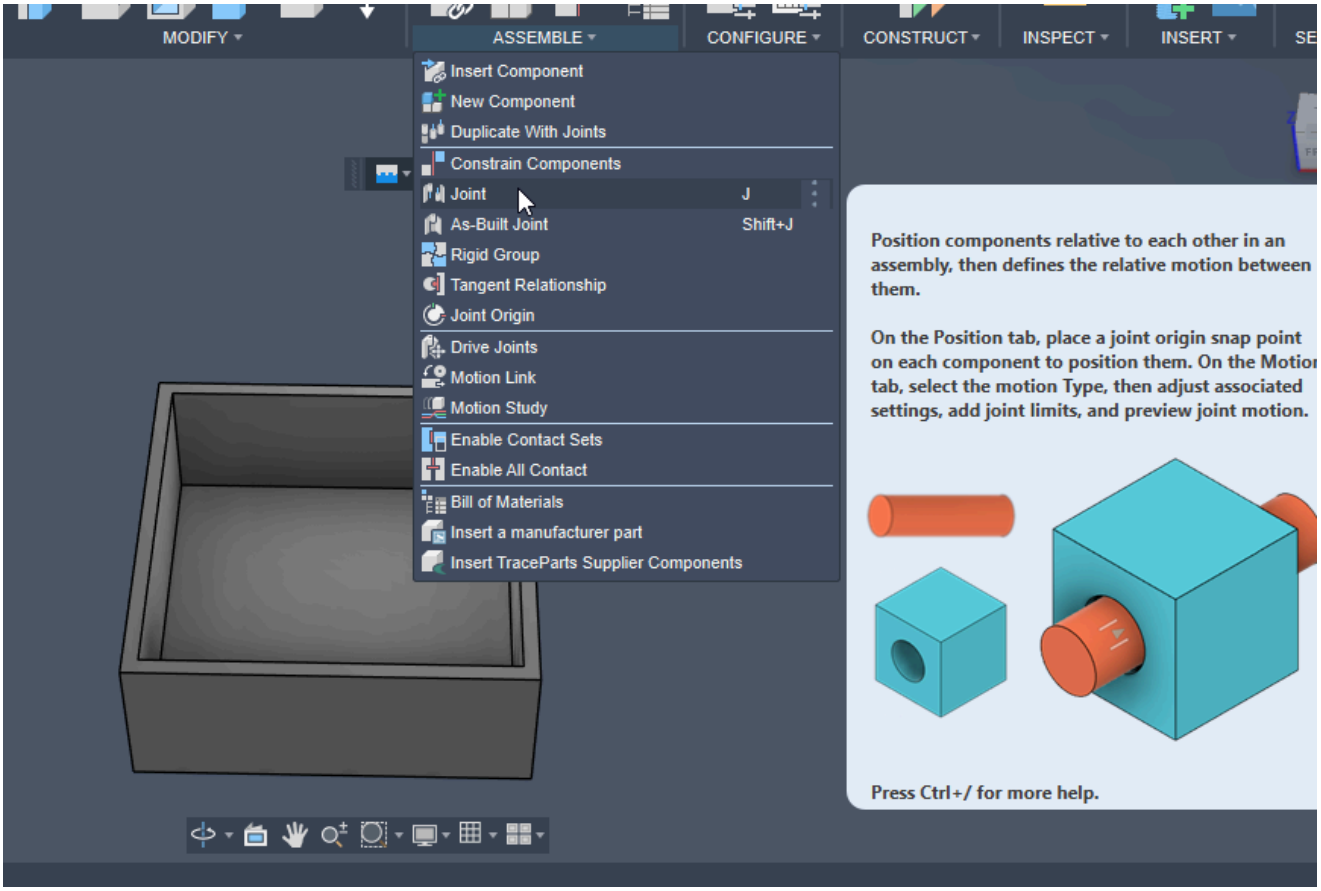
Without going to parameters window, directly create a parameter like this:



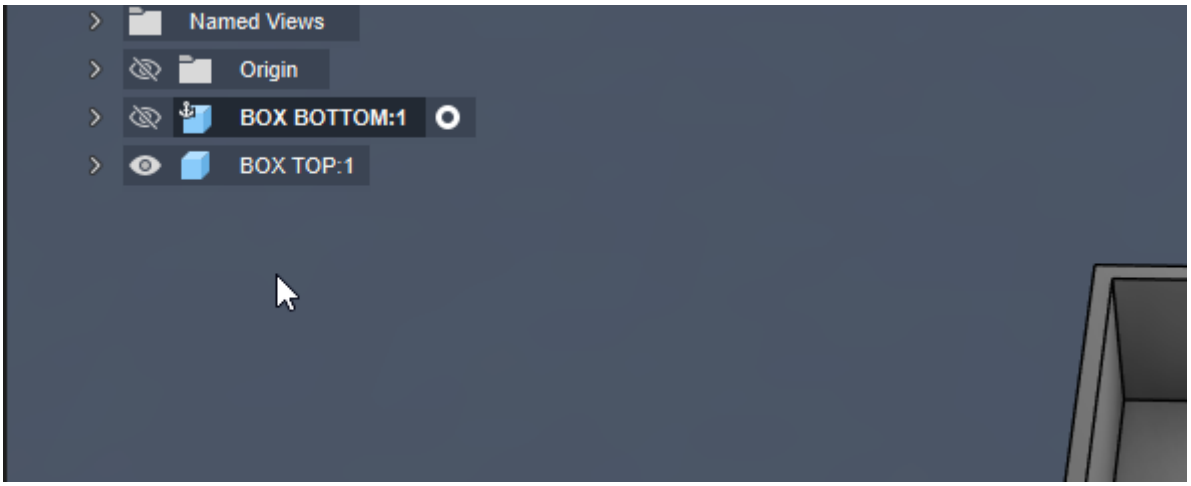
See — it automatically saved under **Favorites**.



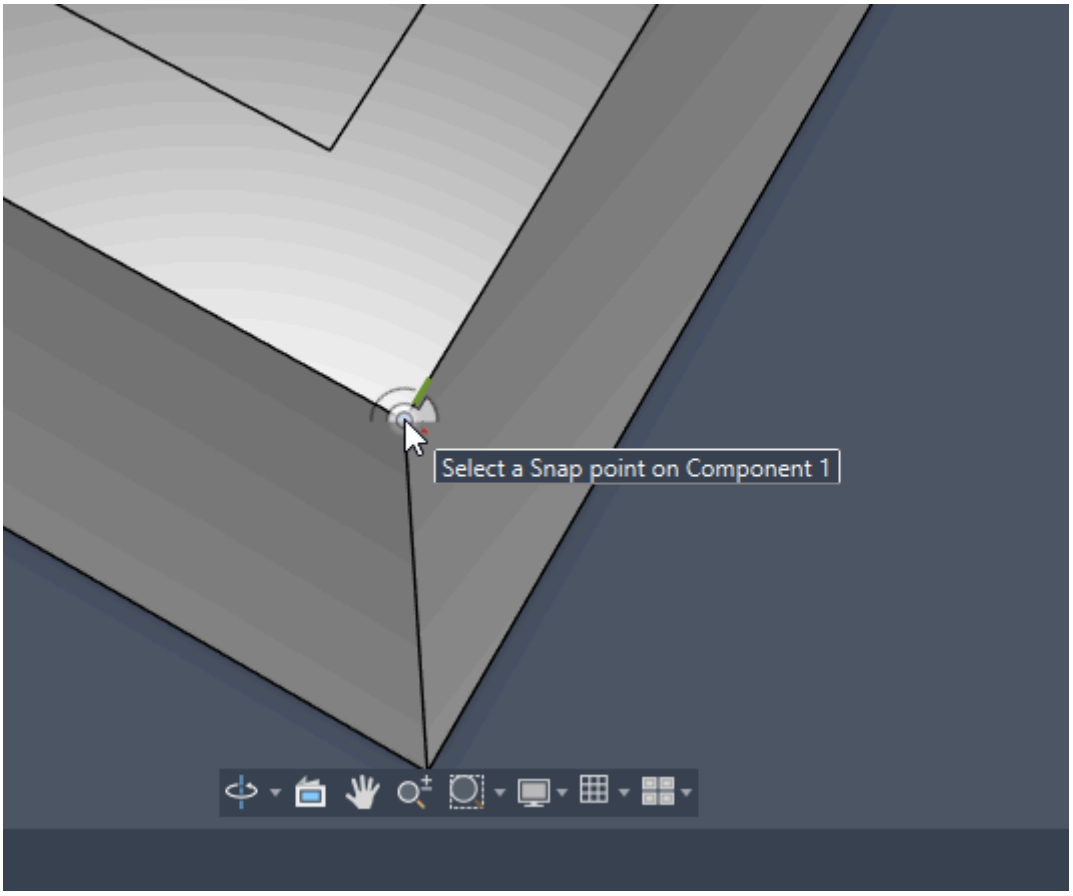
COPY and **PASTE NEW** it.



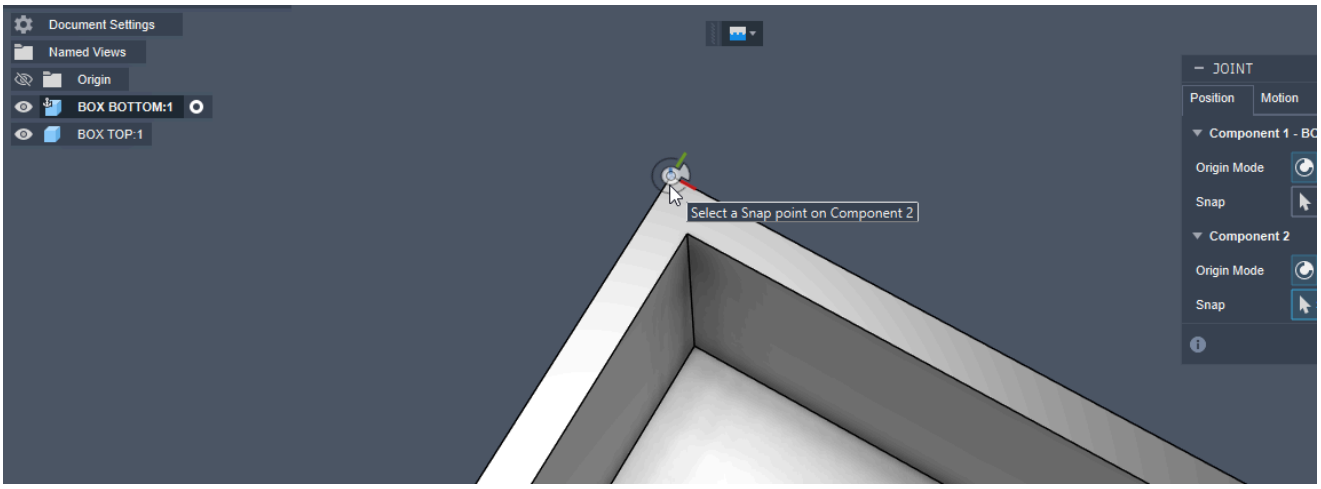
Now go to **JOINT** option.



UNVIEW (hide) the BOX BOTTOM.

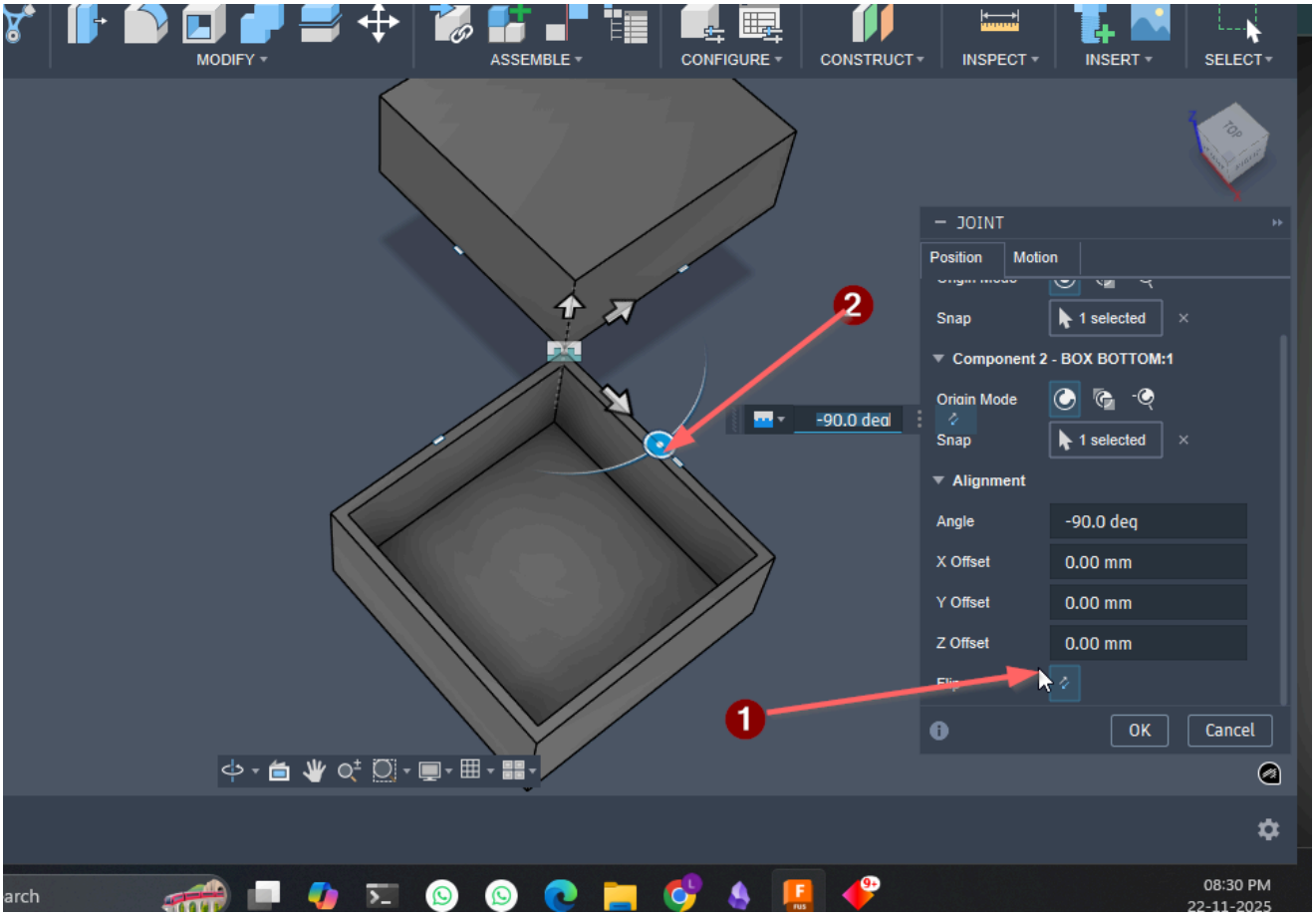


SELECT a **corner**.

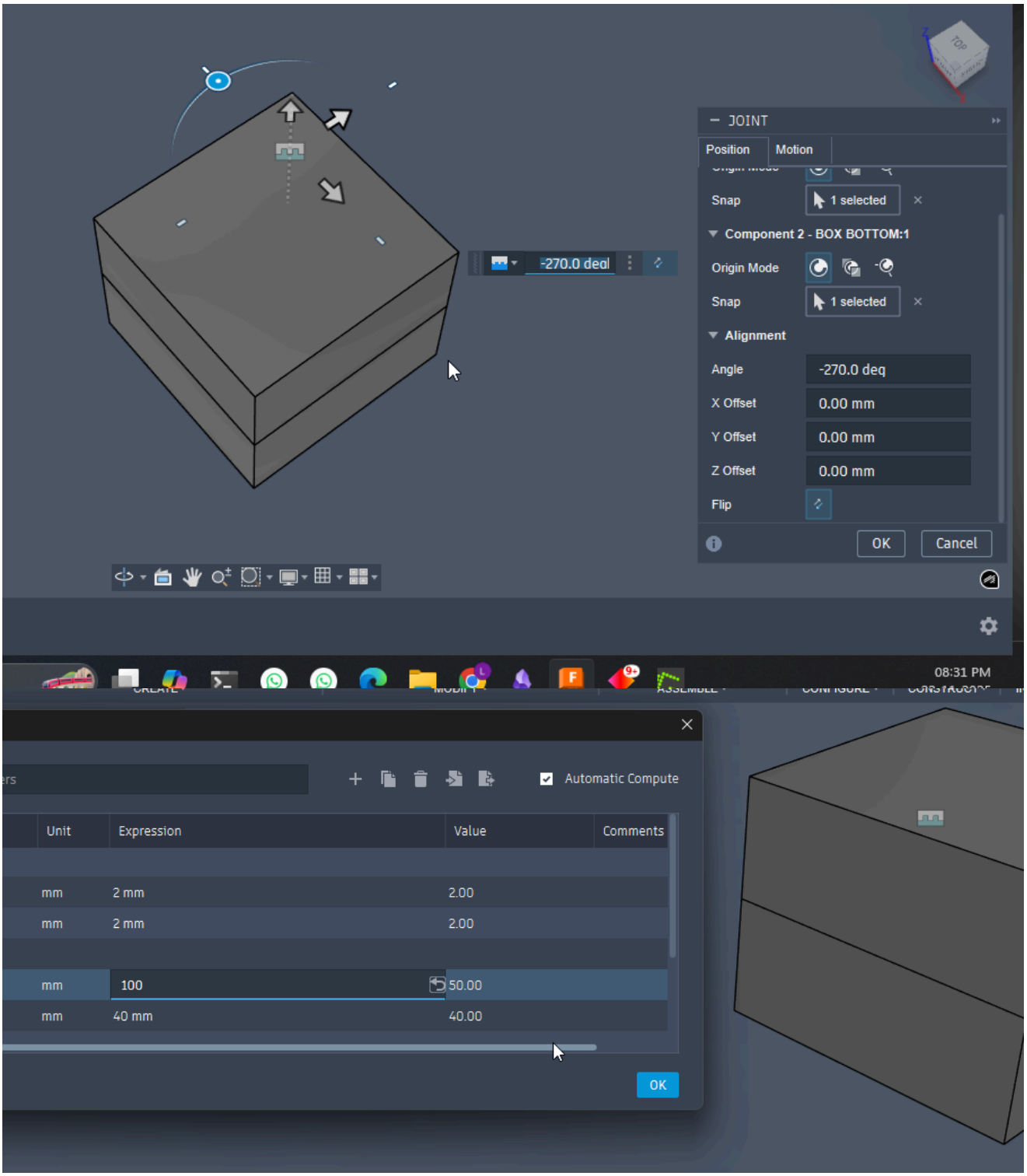


VIEW the box again

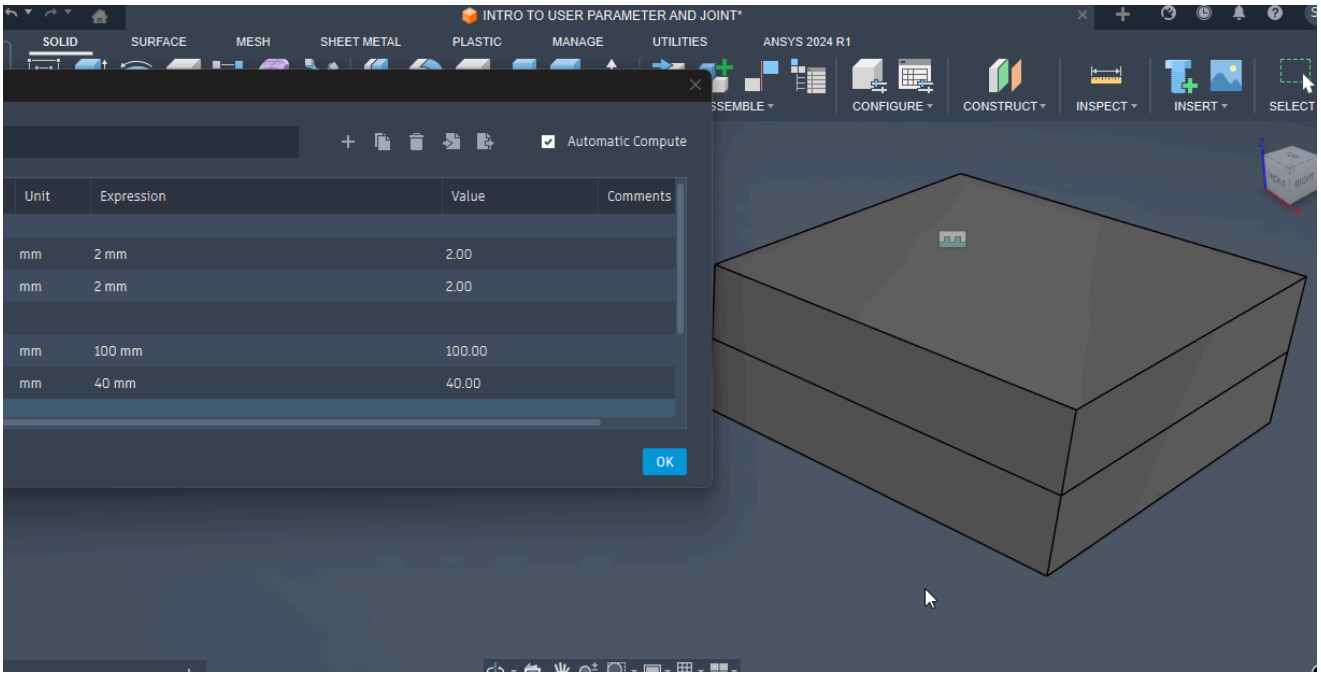
and now SELECT a corner of another box while pressing **CTRL**.



Use **1** and **2** to set it on the bottom box.



Now open the **Parameters** window and set **BoxWidth = 100 mm** here.


INTRO TO USER PARAMETER AND JOINT*
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
ANSYS 2024 R1
CONFIGURE
CONSTRUCT
INSPECT
INSERT
SELECT
Automatic Compute
Unit
Expression
Value
Comments
mm
2 mm
2.00
mm
2 mm
2.00
mm
100 mm
100.00
mm
40 mm
40.00
OK

AND DONE.