CAD SW

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3D moelling SW

Offer an overview of main 3D modelling SW

❖**1. Solidworks**: https://www.solidworks.com/it/support/community-download#no-back

❖**2. Fusion 360**: https://www.autodesk.com/education/home

❖**3. Onshape**: https://www.onshape.com/en/education/
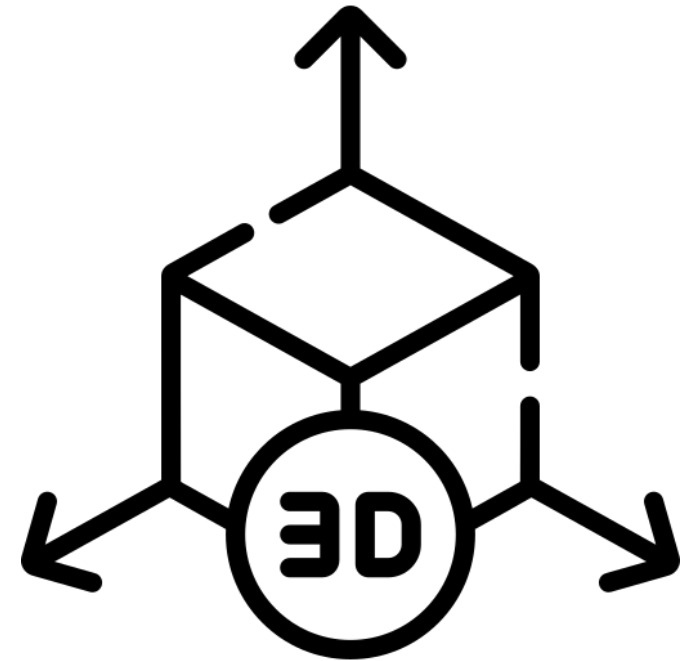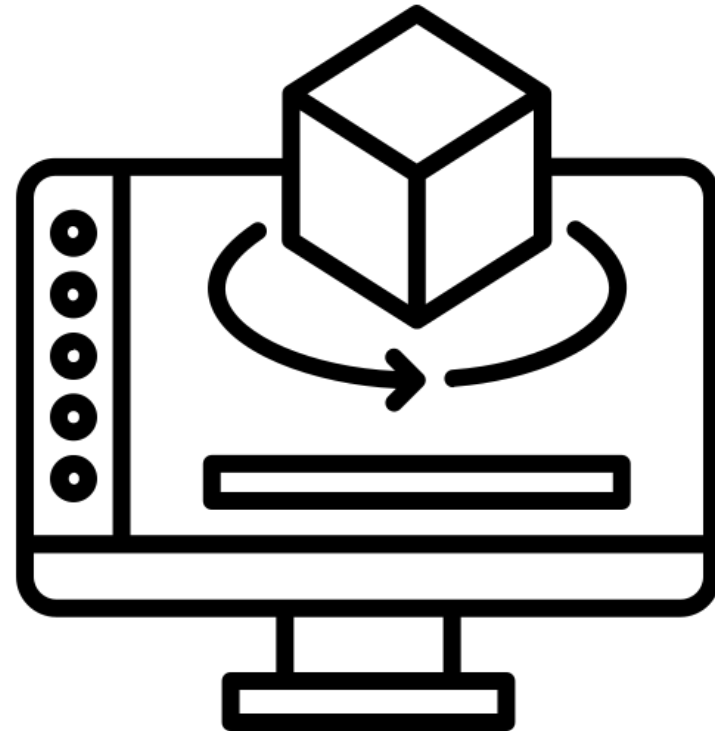
Modeling rudiments

- Functional modeling
- Sketches and constraints (rectangle)
- Fittings
- Tree of functions and elements
- Snap
- Concentric and offset circles
- Display windows (isometric view, Reference system)
- Extrusion feature
- Extruded cut and hole wizard
- Mirror
- Boolean difference
- Tolernaces
- 2D Technical drawing

Exercises