4th lesson - Autocad

11th October, 2022

Blocks

- Put all the files in a folder
- They should be made out of polylines \rightarrow if not, we should clean them
- Use BPOLY creates boundary, then move it 1 m, so we know where we put it and then erase the small lines the drawing is created from, then move it back the 1 m (viz. picture 1)
- Create the blocks smartly than it's easy to replace then in the whole project
- Use BLOCK to create them from the downloaded drawings (viz. picture 2)
 Name
 - Base point select point, the one that is important for the placement of the object (for ex.: toilet - middle of the toilet, where the savage is (important for plumber)
 - Select object check "convert to block"
 - Check "allow to explode"
- Help yourself with using xlines to create defined points we can use for insertion, moving the object,..
- We used different views to show the design of the bathroom always changing the orientation by command USC
- When drawing important to used different types of lines and the right layer
 - Showing through what a section goes, which lines are not visible (for ex.: different layers of the wall) (viz. picture 3)

Commands:

- BPOLY boundary creation \rightarrow click pick points (click inside the object we want the boundary of)
- COPY BASE select base point + select object
- J=JOIN select all lines we want to join (viz. picture)
- BLOCK viz. higher in text
- X=EXPLODE breaks the block/object in parts
- UCS=UNIT COORDINATES SYSTEM can change the orientation of the coordinate system, we select base point, direction of X and direction of Y
 - \circ to change it back to the world coordinates type W
- PLAN to change the orientation of the view according to the coordinate system (just click enter twice)
- INSERT we can select an object from a library
- RE=REGEN regeneration

Picture 1:

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Picture 2:







Picture 4:



Picture 5:

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