

## Assignment 3.A

Digital Design Methods I

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### OVERVIEW

The *Assignment 3* is provided to help you get familiar with the *QGIS* software and focuses on the basics of what you've learned during the class.

This assignment will not be graded and requires no submissions.

### ASSIGNMENT

1. In the lesson, we worked with the digital elevation model (`DEM_Merged.tif`). Convert this raster file from the ‘WGS84 (epsg:4326)’ coordinate system to ‘Mexico ITRF2008 / LCC (epsg:6372)’ and save it as `DEM_Merged_6372.tif`
2. Create a new vector file (shapefile) containing only the objects of `09.shp` where `TIPOMZA` is ‘Parque o Jardin’ and save them to a new file `09m_parque_jardin.shp`
3. How many objects in the vector file `09fm.shp` have `TIPOVIAL` ‘Calle’? What is the minimum, maximum and mean length of the objects with `TIPOVIAL` = ‘Calle’?

### INPUT FILE

- `Assignment_3A.pdf` (this file)