LECTURE - 03

GETTING STARTED WITH QGIS

Course Instructor:

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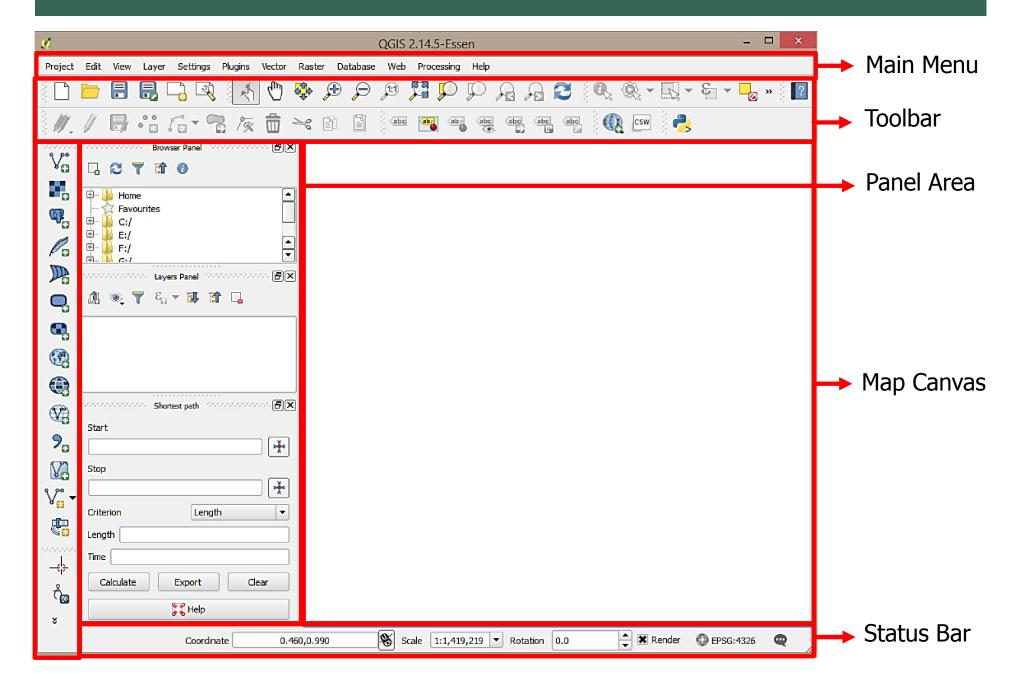
Content

- QGIS Software
- How to add vector data layer
- How to add raster data layer
- Saving a vector and raster layer
- Working with attributes
- Identify feature
- Search/query vector layer
- Working with style/color, symbols and labels

QGIS Software

- There are two main software currently in use in the market for GIS operations:
 - ArcGIS by ESRI (It is the most powerful commercial GIS software widely used in the market)
 - Qunatum GIS (QGIS) is an open source software with a lot of capabilities. It's license is free

QGIS Interface

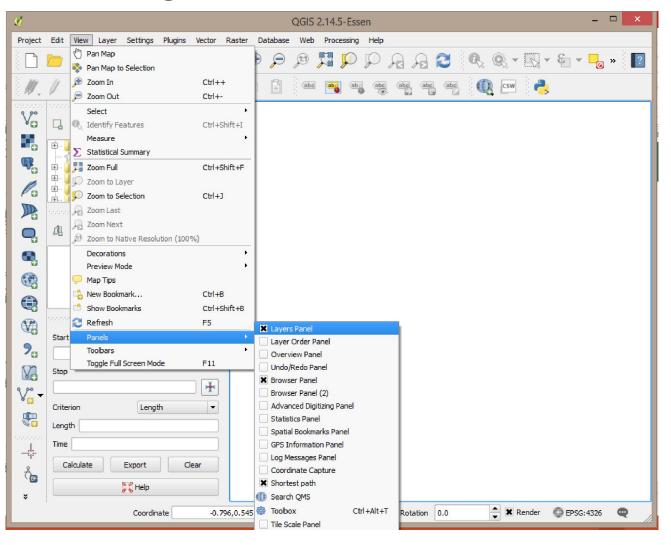


QGIS Interface

- Customizing the Interface
 - View > Toolbar
 - View > Panel

QGIS Interface

Customizing the interface



How to Add Vector Data Layer

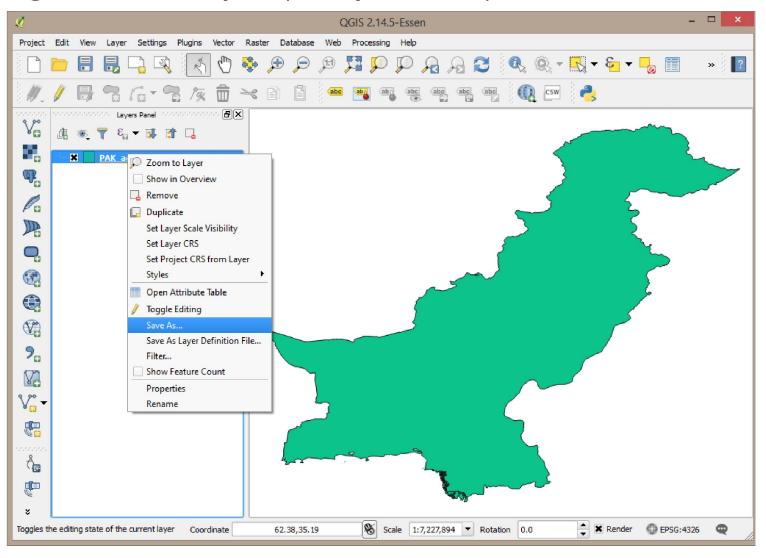
- Adding Vector Data Layer
 - Layer > Add Layer > Add Vector Layer
 - 2. Shortcut: ctrl + shift + v
 - 3. Manage Layer Toolbar: Add Vector Layer

How to Add Raster Data Layer

- Adding Raster Data Layer
 - Layer > Add Layer > Add Raster Layer
 - 2. Shortcut: ctrl + shift + r
 - 3. Manage Layer Toolbar: Add Raster Layer

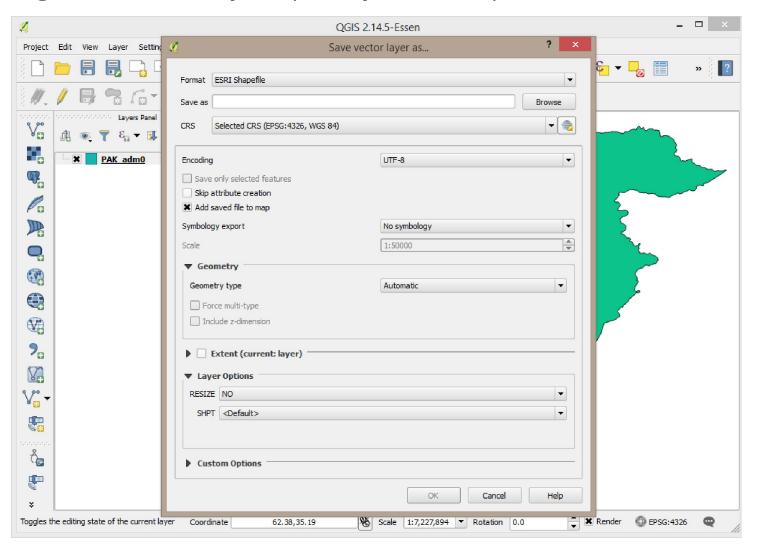
Saving a Vector and Raster Layer

Right click on layer (in Layer Panel) and click Save As



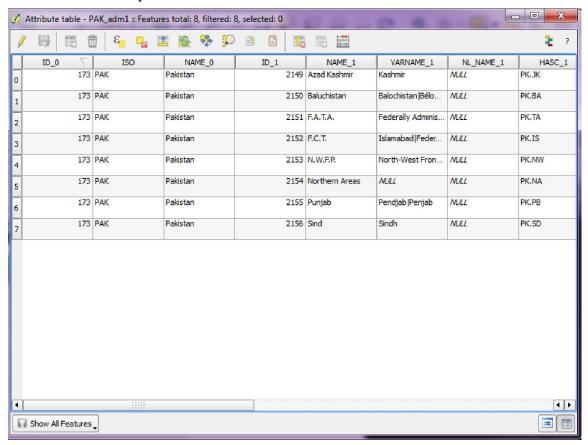
Saving a Vector and Raster Layer

Right click on layer (in Layer Panel) and click Save As



Working with Attributes

- To view attributes of a data layer:
 - Right click on the layer > Open Attribute Table
 - Toolbar: Open Attribute Table



Identify Features

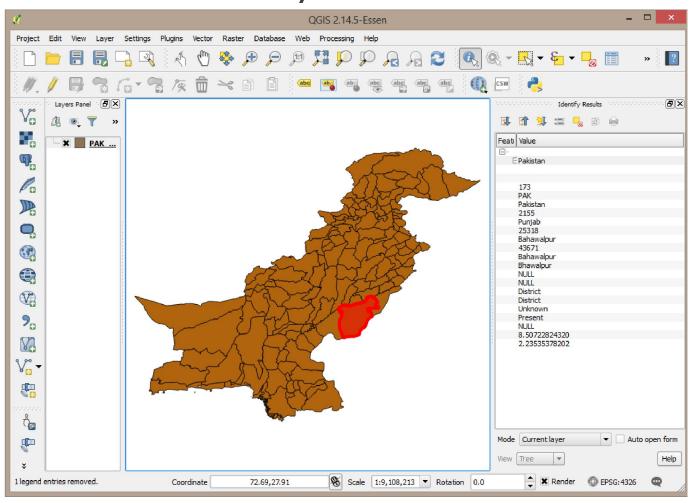
- Identify feature is used to view attributes of a particular feature in a vector layer
- Command path:
 - Click on Identify Features icon in the Attribute Toolbar



- View > Identify Features
- Shortcut: ctrl + shift + i

Identify Features

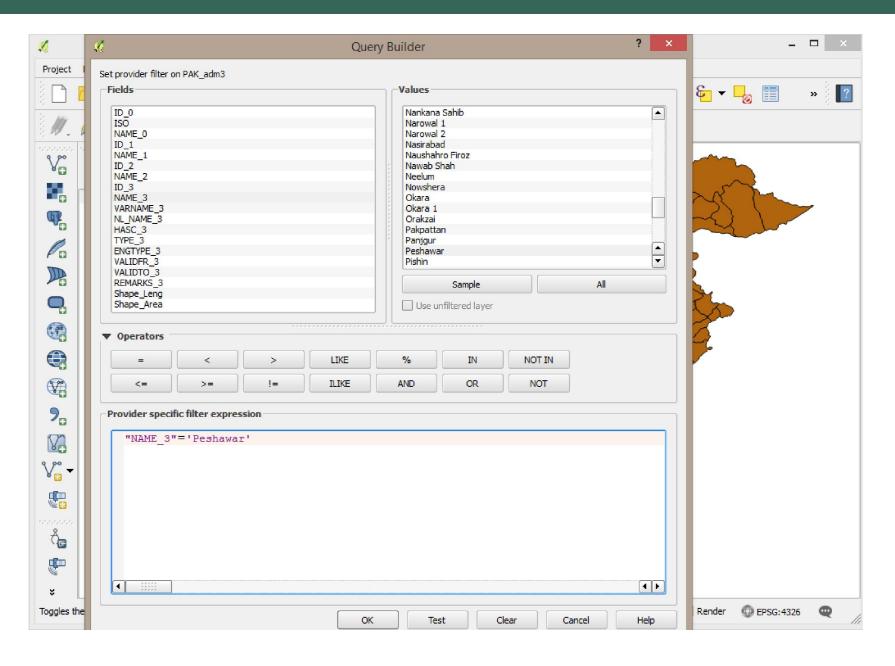
Identify feature is used to view attributes of a particular feature in a vector layer



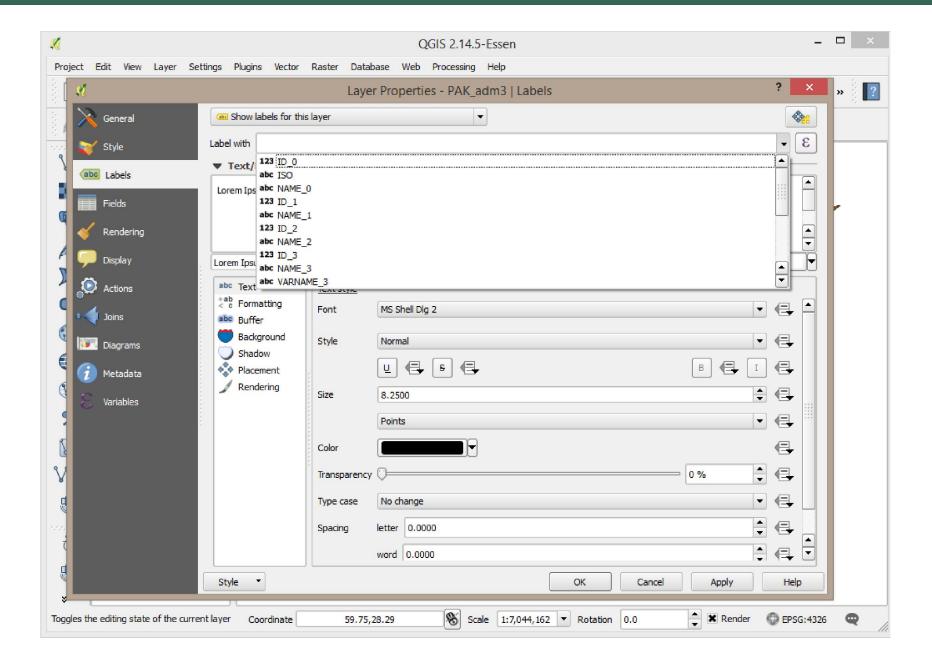
Search/Query Vector Layer

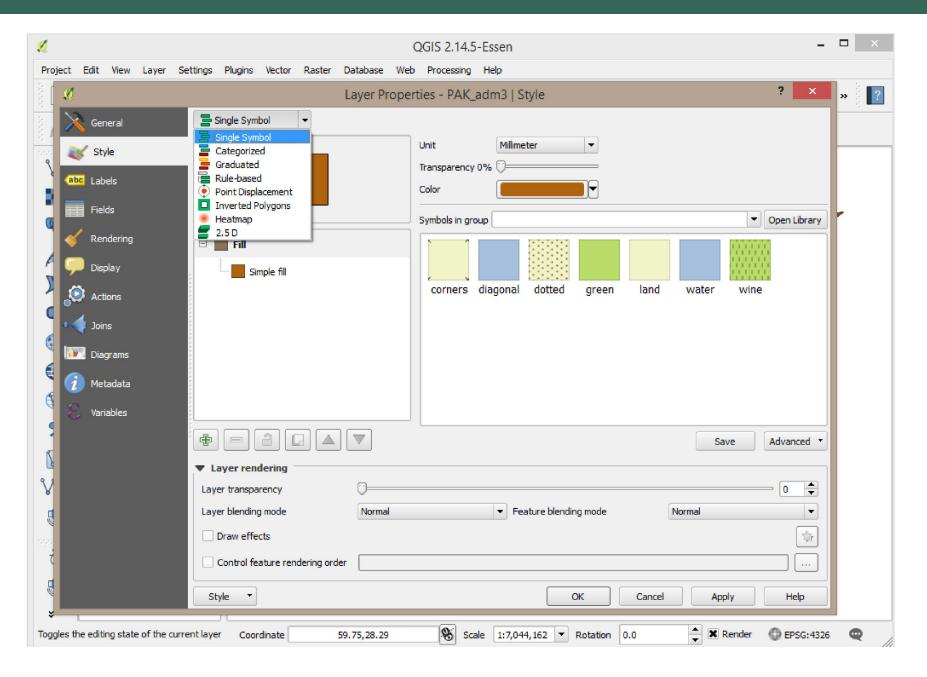
- There are two ways:
 - Layer > Filter
 - Shortcut: ctrl + F
- Note: In older version, Query is present instead of Filter.

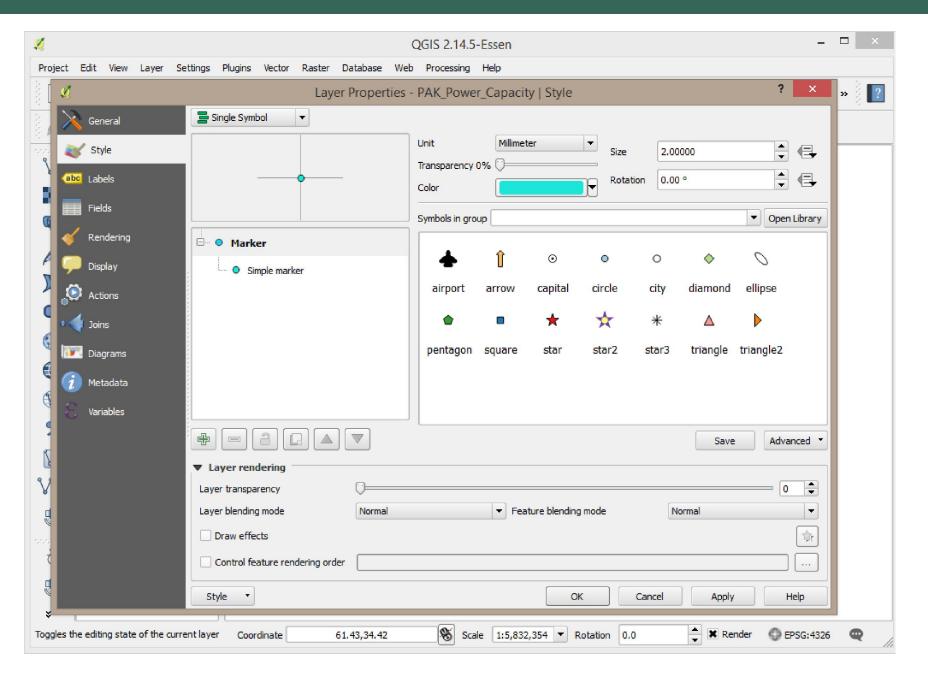
Search/Query Vector Layer

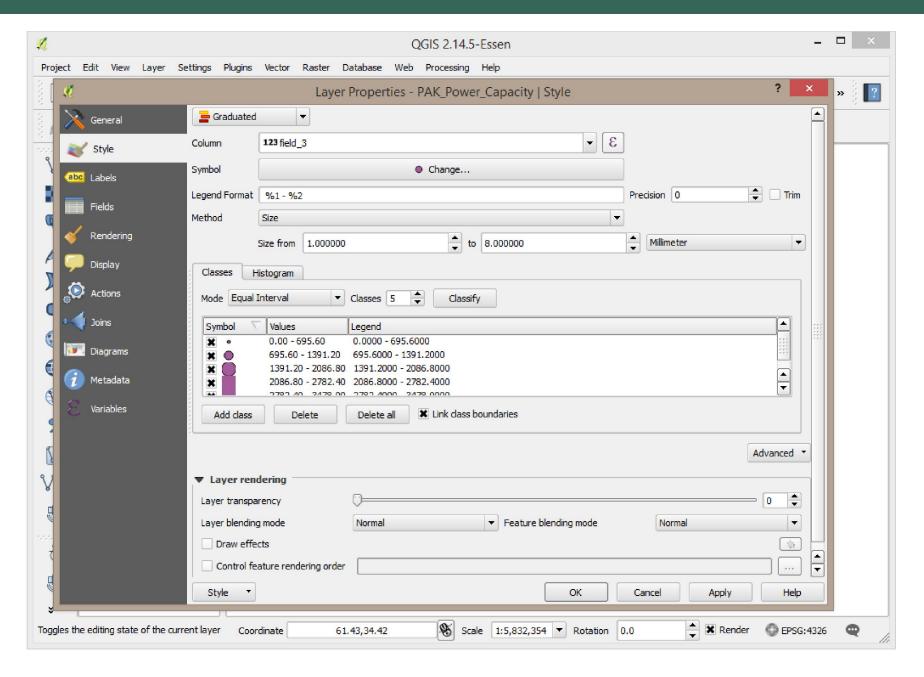


- Right Click on Layer > Properties
 - Style
 - Labels









References

QGIS Training Manual