**Report on**

**Solution of Task number Two from HawarIT**

**Presented By:**

**Md. Rana Sarkar**

**Software Engineer at Teton Pvt. Ltd.**

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**Here Given Three zip files.**

First of all about auto length project:

**It has been included in hawarit\_documents.zip files.**

Step of this task:

1. Open QGIS and connect to the City of Helsinki’s WFS service from Layer > Add layer > Add WFS layer
2. Create new connection with <http://kartta.hel.fi/ws/geoserver/avoindata/wfs>
3. Plugins>python console and editor
4. Now create a function named linelenghtCalc .Withing this function first active the layer and find the getFeatures and find geometry and it’s length. ( you can look code of it )
5. Now install plugin builder and plugin reloader.
6. Using plugin builder create a plugin
7. Now open QT desinger and create window panel.
8. Now connect with by calling objects.

**Second creating a new layer with point of data :**

Algorithm:

1. First call QgsVectorLayer and dataProvider function.
2. Add attributes here
3. Setup QgsPoint in all axis point.
4. Then set it as attribute and set geometry.
5. Next add layer
6. Then write file and add layer.
7. Finally show the output.

**Third GoogleMapusingQgis.zip file.**

**Algorithm:**

1. Here first import ee and map plugins .
2. For visualize load image and set params .
3. Then set center and finally add map .

Sir, window panel creation was just simple task. Using QT designer I have created that.

Sir, actually when I created a window panel using QT designer then I had connected it with Linelenth by calling self.dlg.mywindowpanelobjectname.clicked.connect(here my line function).

But I actually don’t understand which will be function for showing any webpages on it .

Am I use just show or load function and give url and finally connect it and show urls related pages ?

Sir, QGIS and PyQGIS was fully unknown for me, From your given task I’ve learnt and gathered knowledge on it . Thank you Sir.