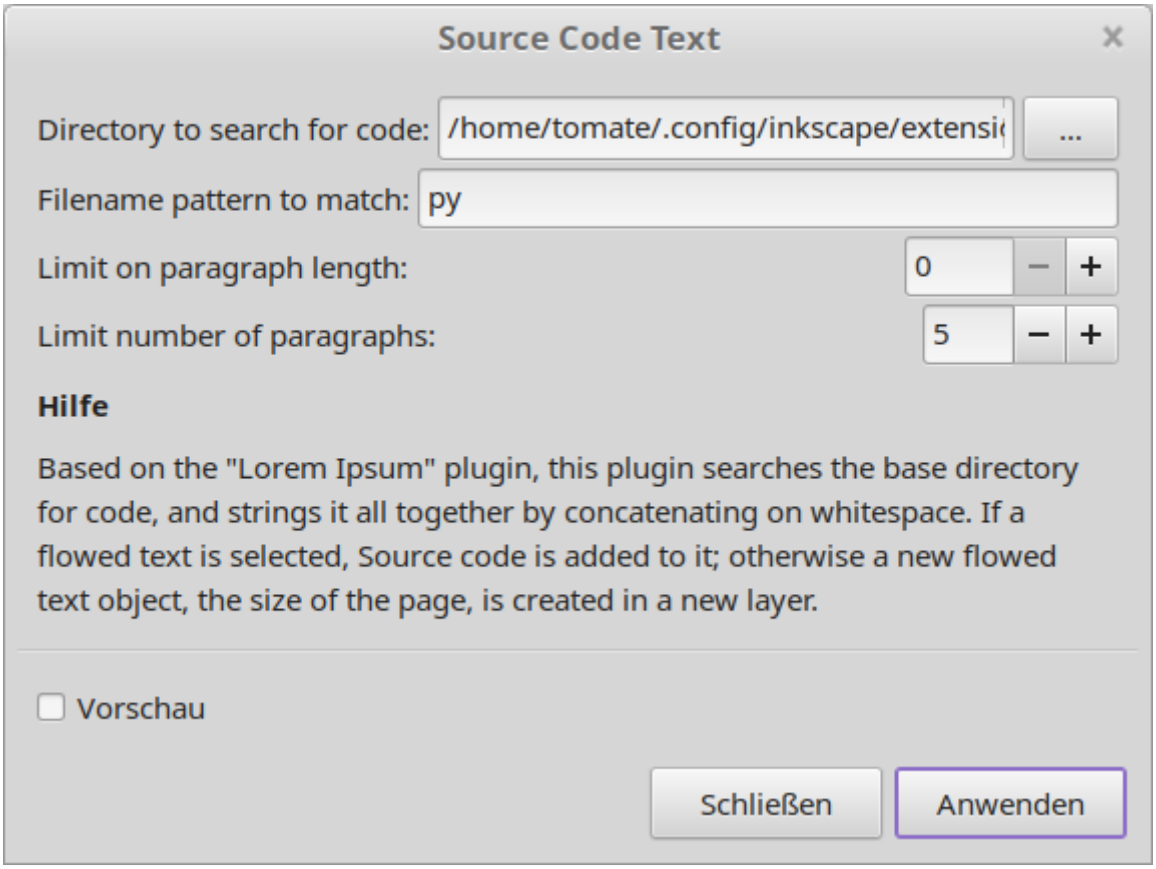
Source Code Text

Based on the "Lorem Ipsum" plugin, this plugin searches the base directory for code, and strings it all together by concatenating on whitespace. If a flowed text is selected, Source code is added to it; otherwise a new flowed text object, the size of the page, is created in a new layer.

Source: https://gist.github.com/om-henners/8c642c87b71daa3ea68222d40167edbc



```
#!/usr/bin/env python3 import os import re import random import inkex from lxml import etree class SourceCodeText(inkex.EffectExtension): def add_arguments(self, pars): pars.add_argument("--directory", default='~/', help="Default directory") pars.add_argument("--pattern", default='py', help="File extension pattern") pars.add_argument("--wordsperpara", type=int, default=0, help="Maximum words per paragraph") pars.add_argument("--numparas", type=int, default=1, help="Number of paragraphs") def text_generation(self): #Get all the matching files. Then yield words one at a time. This can take a while if there are a lot of files, but shouldn't be too bad. matcher = re.compile('.+\.{} $'.format(self.options.pattern)) matched_files = [] for root, _, names in os.walk(os.path.expanduser(self.options.directory)): for name in names: if matcher.match(name): matched_files.append(os.path.join(root, name)) random.shuffle(matched_files) for path in matched_files: file = open(path) for word in file.read().split(): yield word file.close() def add_text(self, node): #Add the text to the node word_generator = self.text_generation() for _ in range(self.options.numparas): words = [] para = etree.SubElement(node, inkex.addNS('flowPara','svg')) if self.options.wordsperpara: try: for _, word in zip(range(self.options.wordsperpara), word_generator): words.append(word_generator.next()) except: pass else: words = word_generator if words: para.text = ' '.join(words) etree.SubElement(node, inkex.addNS('flowPara','svg')) else: break def effect(self): found=0 for id, node in self.svg.selected.items(): if node.tag == inkex.addNS('flowRoot','svg'): found+=1 if found==1: self.addText(node) if not found: #inkex.debug('No "flowRoot" elements selected. Unable to add text.') svg=self.document.getroot() gattribs = {inkex.addNS('label','inkscape'):'lorem ipsum',inkex.addNS('groupmode','inkscape'):'layer'} g=etree.SubElement(svg,inkex.addNS('g','svg'),gattribs) flowRoot=etree.SubElement(g,inkex.addNS('flowRoot','svg'), {inkex.addNS('space','xml'):'preserve'}) flowRegion=etree.SubElement(flowRoot,inkex.addNS('flowRegion','svg')) rattribs = {'x':'0','y':'0','width':svg.get('width'),'height':svg.get('height')} rect=etree.SubElement(flowRegion,inkex.addNS('rect','svg'),rattribs) self.add_text(flowRoot) if __name__ == '__main__': SourceCodeText().run()
```

Version #1
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