

# QGIS Application - Bug report #19993

## QGIS Crashed running Python code obtained form StackExchnge

2018-10-02 11:34 AM - Thomas Kibbey

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b> Thomas Kibbey	
<b>Category:</b> PyQGIS Console	
<b>Affected QGIS version:</b> 3.2.1	<b>Regression?:</b> No
<b>Operating System:</b> 64 bit, 32GB Windows 10	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 27815

### Description

This was the code that caused the crash:

```
import itertools
layer = iface.activeLayer()
feats = [ feat for feat in layer.getFeatures() ]
selected_feats = []
selected_feats.append(feats[0])
del feats[0]
k=0
while len(feats) !=0:
    for i, feat in enumerate(feats):
        d = selected_feats[k].geometry().distance(feat.geometry())
        if d == 0:
            selected_feats.append(feat)
            k +=1
            del feats[i]
lines = [ feat.geometry().asPolyline() for feat in selected_feats ]
epsg = layer.crs().postgisSrid()
uri = "LineString?crs=epsg:" + str(epsg) + "&field=id:integer""&index=yes"
mem_layer = QgsVectorLayer(uri,
    '4testing_feats_ordered',
    'memory')
prov = mem_layer.dataProvider()
feats = [ QgsFeature() for i in range(len(selected_feats)) ]
for i, feat in enumerate(feats):
    feat.setAttributes([i])
    feat.setGeometry(QgsGeometry.fromPolyline(lines[i]))
prov.addFeatures(feats)
QgsProject.instance().addMapLayer(mem_layer)
```

This was the bug report after the crash:

### User Feedback

### Report Details

**Crash ID:** e75beb8f185e848f989ceaa0bae49ce173157d10

### Stack Trace

SpatialIndex::MVRTree::Data::storeToByteArray :  
SpatialIndex::RTree::Data::getShape :  
SpatialIndex::RTree::Data::getShape :  
QgsSpatialIndex::insertFeature :  
QgsSpatialIndex::insertFeature :  
QgsProcessingModelOutput::toVariant :  
std::\_String\_alloc<std::\_String\_base\_types<char,std::allocator<char> > >::\_Getal :  
PyCFunction\_FastCallDict :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyErr\_Occurred :  
PyEval\_EvalCode :  
PyDict\_SetItemId :  
PyDict\_SetItemId :  
PyCFunction\_FastCallDict :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyErr\_Occurred :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyErr\_Occurred :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyObject\_GenericGetAttr :  
PyEval\_EvalFrameDefault :  
PyFunction\_FastCallDict :  
PyObject\_CallFunctionObjArgs :  
PyObject\_Call :  
PyInit\_sip :  
PyInit\_Qsci :  
QWidget::event :  
QFrame::event :  
QAbstractScrollArea::event :  
PyInit\_Qsci :  
QApplicationPrivate::notify\_helper :  
QApplication::notify :  
QgsApplication::notify :  
QCoreApplication::notifyInternal2 :  
QSizePolicy::QSizePolicy :  
QSizePolicy::QSizePolicy :  
QApplicationPrivate::notify\_helper :  
QApplication::notify :  
QgsApplication::notify :  
QCoreApplication::notifyInternal2 :  
QGuiApplicationPrivate::processKeyEvent :  
QWindowSystemInterface::sendWindowSystemEvents :  
QEventDispatcherWin32::processEvents :  
CallWindowProcW :  
DispatchMessageW :  
QEventDispatcherWin32::processEvents :  
qt\_plugin\_query\_metadata :  
QEventLoop::exec :  
QCoreApplication::exec :  
main :  
BaseThreadInitThunk :  
RtlUserThreadStart :

## QGIS Info

QGIS Version: 3.2.1-Bonn

QGIS code revision: commit:1edf372fb8

Compiled against Qt: 5.9.2  
Running against Qt: 5.9.2  
Compiled against GDAL: 2.2.4  
Running against GDAL: 2.2.4

#### **System Info**

CPU Type: x86\_64  
Kernel Type: winnt  
Kernel Version: 10.0.17134

#### **History**

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##### **#1 - 2018-10-03 06:08 PM - Alessandro Pasotti**

- *Resolution set to invalid*
- *Status changed from Open to Rejected*

I'm afraid there is nothing we can do, QGIS C++ is wrapped by SIP binding generator in such a way that you can easily crash QGIS but you get the power and the speed you need for complex tasks.

If you want to know more about this: [http://enki-editor.org/2014/08/23/Pyqt\\_mem\\_mgmt.html](http://enki-editor.org/2014/08/23/Pyqt_mem_mgmt.html)

##### **#2 - 2019-01-07 05:29 PM - Jürgen Fischer**

- *Description updated*