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<b>Platform</b>	S60 1st Edition, S60 2nd Edition, S60 3rd Edition	<b>Tested on devices</b>	Nokia N95, Nokia E90
<b>Category</b>	Python	<b>Subcategory</b>	Location Based Services

**Keywords (APIs, classes, methods, functions):** location

## Overview

This code snippet shows how to retrieve information such as MCC, MNC, LAC and Cell ID in [Python](#).

## Preconditions

**Note:** The `location` module requires capabilities `ReadDeviceData`, `ReadUserData` and `Location` starting with S60 3rd Edition.

## Source code

```
import location

mcc, mnc, lac, cellid = location.gsm_location()

print "Mobile Country Code:", mcc
print "Mobile Network Code:", mnc
print "Location Area Code:", lac
print "Cell ID:", cellid
```

## Postconditions

The information is displayed.

## Observations

Starting with S60 3rd Edition the Script Shell must be signed with the `Location`, `ReadDeviceData` and

ReadUserData capabilities to be able to run the code.

## Additional information

More information about the items described above:

- Mobile Country Code - defines the country where you are
- Mobile Network Code - defines the network within the country
- Location Area Code - defines an area covered by a group of radio cells
- Cell ID - defines a single transmitter. In many cases, especially in heavily populated areas, there are 3 cells on a single base-station, each covering 120 degrees.