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Platform	S60 3rd Edition S60 5th Edition	Tested on devices	Nokia 5800 XpressMusic
Category	Symbian C++	Subcategory	Location Based Services

Keywords (APIs, classes, methods, functions): TCoordinate

Overview

The snippet demonstrates how to calculate the distance between two coordinates.

Note: The location capability is included in the self-signing capabilities of S60 3rd Edition, Feature Pack 2 and newer platforms.

MMP file

The following libraries and capabilities are required:

```
LIBRARY      lbs.lib
```

Header

```
#include <LbsPosition.h>

public:
    TReal32 CalculateDistanceL(const TCoordinate& aFrom, const TCoordinate& aTo);
```

Source

```
TReal32 CLocation::CalculateDistanceL(const TCoordinate& aFrom, const TCoordinate& aTo)
{
    TReal32 result;
    aFrom.Distance(aTo, result);
    return result;
}
```

How to use

```
TCoordinate you;

// Friend coordinates
TCoordinate friend;

// Calculate distance
TReal32 ret = CalculateDistanceL(you, friend);

// Distance in meters
TBuf<50> distance;
distance.Format(_L("%.1f"), ret);
distance.Append(_L(" m "));
```

Postconditions

The distance between you and your friend is calculated.