

## Task 2:

To simulate a walk, you need to track your movement. This can be accomplished using a GPS signal tracker. For this purpose, use your mobile phone and a GPS tracking app of your choice. Use as orientation to track the GPS signals our video: [https://faubox.rrze.uni-erlangen.de/getlink/fiYA8f53RWvbZphjG4zr22/IMG\\_5562](https://faubox.rrze.uni-erlangen.de/getlink/fiYA8f53RWvbZphjG4zr22/IMG_5562)

To use GPS data with Valhalla for the purpose of comparing the actual position with the results from Valhalla, the GPS tracking application should offer the GPS data in a format that includes:

**Latitude and Longitude:** Coordinates should be in decimal degrees format, which is the standard for most mapping and navigation services.

**Timestamps:** Each GPS position should be accompanied by a timestamp to allow for temporal comparisons and analysis.

The most common formats that support these details and are compatible with GIS software and routing engines like Valhalla are:

**JSON:** JavaScript Object Notation is a lightweight data-interchange format that is easy for humans to read and write and easy for machines to parse and generate.

**GPX (GPS Exchange Format):** This XML schema is designed for transferring GPS data between applications. It can contain tracks, routes, and waypoints.

Try to get this information and store it in your branch.