# Design brief

When you use your mobile phone to navigate to your friends house it keeps sending you I the wrong direction. You suspect your phone’s compass is wrong. So you decide to calibrate it against another digital compass to test your theory.

# IPO Table

|  |  |  |
| --- | --- | --- |
| Inputs | Processing | Outputs |
| Magnetic compass | PUT welcome message to display  GET Direction  CALC Arrow  SET Arrow | Display direction |

# Pseudocode

SET display message “Welcome to your digital compass”

DISPLAY welcome message

LOOP FOREVER

GET

Direction

SET arrow

DISPLAY arrow

DISPLAY “N”