Code (Rotary angle sensor):

```c
#include "grove.h" // for button->value()

#include <stdio.h> // for printf()

#include <unistd.h> //for sleep()

int main()

{

        upm::GroveRotary* knob = new upm::GroveRotary(1);

   while( 1 ) {

        float abs_value = knob->abs_value(); // Absolute raw value

        float abs_deg = knob->abs_deg();     // Absolute degrees

        float abs_rad = knob->abs_rad();     // Absolute radians

        float rel_value = knob->rel_value(); // Relative raw value

        float rel_deg = knob->rel_deg();     // Relative degrees

        float rel_rad = knob->rel_rad();     // Relative radians

        printf("Absolute: %4d raw %5.2f deg = %3.2f rad Relative: %4d raw %5.2f deg
%3.2f rad\n",

             (int16_t)abs_value, abs_deg, abs_rad, (int16_t)rel_value, rel_deg, rel_rad);

        sleep(1); // Sleep for 1s

    }

   delete knob;

}
```