

## Homework Hello-the-world and GPP Interface Testing

Create a new project with MCUXpresso IDE, and write a C program to realize the following functions:

1. use Printf to print "hello, the world", and your first and last name, then last 4 digits of your SID. This print message should appear at your console.

2. Build a prototype circuit for GPP input and output testing. Run GPP testing functions and modify this function to test GPP input and output.

Your output function should be able to turn on LED when CPU sending 1, and off when CPU sending 0. The input should be able to read logic 1 when the testing circuit toggle the switch to connect to Vcc, and logic 0 when the testing circuit toggle the switch to GND.

What to submit:

1. Exported project with all the settings, so it is ready to be executed, in addition to have the source code etc.

2. One page IEEE format report of the homework.

(END)