

D:/Coding/codeGen\4\step4Header.c

```
// 4. Same C program should emit the contents of the C header file in YAML. The
//  YAML file does NOT need to match the original YAML file.

#include

#include "mock_instruction.h"

int main(void) {

    printf("# Instruction info in YAML format\n");

    printf("instruction:\n");

    printf("  name: \"%s\\n\"", INST_NAME);

    printf("  long_name: \"%s\\n\"", INST_LONG_NAME);

    printf("  defined_by: \"%s\\n\"", INST_DEFINED_BY);

    printf("  assembly: \"%s\\n\"", INST_ASSEMBLY);

    printf("  data_independent_timing: %s\\n", INST_DATA_INDEPENDENT_TIMING ? "true" : "false");

    printf("  encoding:\n");

    printf("    match: \"%s\\n\"", INST_ENCODING_MATCH);

    printf("  variables:\n");

    printf("    xs2: \"%s\\n\"", INST_VAR_XS2_LOC);

    printf("    xs1: \"%s\\n\"", INST_VAR_XS1_LOC);

    printf("    xd: \"%s\\n\"", INST_VAR_XD_LOC);

    printf("  access:\n");

    printf("    s: \"%s\\n\"", INST_ACCESS_S);

    printf("    u: \"%s\\n\"", INST_ACCESS_U);

    printf("    vs: \"%s\\n\"", INST_ACCESS_VS);

    printf("    vu: \"%s\\n\"", INST_ACCESS_VU);

    return 0;

}
```