## Successful build

```
Project                                          convertF2CandC2F.s
  Project: Lab6                          33        AREA    MYCODE, CODE, READONLY
    Target 1                             34
      Source Group 1                     35        ENTRY
        convertF2CandC2F.s               36        EXPORT Reset_Handler
                                         37
                                         38
                                         39   Reset_Handler
                                         40   ;;;;;;;;;;User Code Starts from the next line;;;;;;;;;;;;
                                         41
                                         42        MOV  R0, #70     ; Load constant 70 into R0
                                         43        MOV  R2, #9      ; Load constant 9 into R2
                                         44
                                         45        ; F to C first - C = 5 * (F - 32) / 9
                                         46        SUB   R1, R0, #32 ; subtract 32 from the current F value, store in R1
                                         47        MOV R4, #9
                                         48        SDIV  R1, R1, R4   ; divide difference by 9, store in R1
                                         49        MOV R4, #5
                                         50        MUL   R1, R1, R4   ; multiply quotient by 5
                                         51
                                         52        ; C to F second - F = (9 * C / 5) + 32
                                         53        MOV R4, #9
                                         54        MUL   R3, R2, R4   ; multiply by 9, store in R3
                                         55        MOV R4, #5
                                         56        SDIV  R3, R3, R4   ; divide product by 5, store in R3
                                         57        ADD   R3, R3, #32 ; add 32 to quotient, store in R3
                                         58
                                         59
                                         60            END ;End of the program
```

```
Build Output
*** Using Compiler 'V5.06 update 3 (build 300)', folder: 'C:\Keil_v5\ARM\ARMCC\Bin'
Build target 'Target 1'
".\Objects\Lab6.axf" - 0 Error(s), 0 Warning(s).
Build Time Elapsed:  00:00:00
```

## Register data at end of program