

```
1          AREA      main, READONLY, CODE
2          THUMB
3
4          EXTERN    atd_conv
5          EXTERN    adc_initial
6          EXTERN    dig_convrt
7          EXPORT    __main
8
9  __main    PROC
10
11          BL        adc_initial
12          LDR       R5,=0x20000400
13          MOV       R1,#0
14          STR       R1,[R5]
15  loop     BL        atd_conv
16          BL        dig_convrt
17          B         loop
18
19          ENDP
20          END
```