```
PROGRAM KINDERREIM
2
3
       USE KINDERREIMMOD
4
       IMPLICIT NONE
5
     TYPE (START)
6
                      :: LIST
    CHARACTER (LEN=50) :: FILENAME
       TYPE (CHILD), POINTER :: CURR CHILD
       INTEGER
                         ·:: i
10
11
    ! input an cycle building
    WRITE(*,*) "Geben Sie den Dateinamen ein: "
13
    READ (*,*) FILENAME
    CALL BUILD CYCLE (TRIM (FILENAME), LIST)
14
15
    WRITE(*,*) "-----"
16
17
    . . . DO
           WRITE (*,*) "AKTUELL SPIELEN MIT: "
18
       CALL PUT_CYCLE(LIST, LIST%TOP)
19
       WRITE (*, *) - "----------"
20
21
        CURR CHILD => LIST%TOP
22
        WRITE(*,*) "---> Ehne mehne muh und raus bist du, raus
           bist du noch lange nicht, sag mir erst wie alt du bist
           ?!: "
23
24
     ! first 21 steps (syllables of counting rhyme)
25
           DO i=1, 20
26
             CURR CHILD => CURR CHILD%NEXT
27
       O O O O END DO
28
29
       CALL PRINT CHILD (CURR CHILD)
30
       WRITE(*,*) "Ich bin ", CURR CHILD%DATA%AGE, " Jahre alt."
31
32
       e - - - ! next steps (as much as child is old)
33
    DO i=1, CURR CHILD%DATA%AGE-1
34
              CURR_CHILD => CURR_CHILD%NEXT
35
    END DO
36
37
       WRITE(*,*) "---> ausgeschieden ist: "
       CALL PRINT CHILD (CURR CHILD%NEXT)
39
        CALL DEL NEXT (LIST, CURR CHILD)
40
      WRITE(*,*) "-----" RUNDENENDE -----"
41
42
43
       ----! change starting point of list
44
       LIST%TOP => CURR CHILD%NEXT
45
46
    IF (LAST ONE (LIST)) EXIT
47
    END DO
48
49
    50
       WRITE (*,*) "GEWONNEN HAT:"
51
       CALL PUT CYCLE (LIST, CURR CHILD%NEXT)
52
53
54
       DEALLOCATE (CURR CHILD, LIST%TOP)
55
56
    END PROGRAM KINDERREIM
```