

Checkbook

A cheque register for the HP-28S

HEWLETT-PACKARD 28S · C. 1989 · NOTEBOOK PAGES 17–18

SETUP · WRIT · DEPOS · VCHK · VDEP · BALAN · FXBAL · PRINT

THE PROGRAM

No manual page for this program survives. The notebook holds two pages of listing and nothing else — no instructions, no worked example. What follows is the code as printed.

THE PROGRAMS

```
SETUP
« CLLCD
  "  SETUP NEW 'DATA'" 2 DISP
  "  FILE...[Y/N] ?" 3 DISP
DO
  UNTIL KEY
  END "Y" SAME
  IF 1 SAME
  THEN 'DATA' CRDIR DATA 0 'BAL' STO { } 'CHK' STO { } 'DEP' STO CHECK ABORT
  ELSE ABORT
  END
»

WRIT
« 4 →LIST → c
  « DATA 'CHK' RCL LIST→ → n
    « c n 1 + →LIST 'CHK' STO
      c LIST→ DROP 'BAL' RCL SWAP - 'BAL' STO 3 DROPN CHECK
    »
  »
»

DEPOS
« 2 →LIST → d
  « DATA 'DEP' RCL LIST→ → n
    « d n 1 + →LIST 'DEP' STO
      d LIST→ DROP 'BAL' RCL SWAP + 'BAL' STO DROP CHECK
    »
  »
»
```

```

»

VCHK
« DATA 'CHK' RCL LIST→ 1 SWAP
  START LIST→ DROP CLLCD 4 DISP 3 DISP 2 DISP 1 DISP
  DO
    UNTIL KEY
    END "ENTER" SAME
    IF 1 ≠
    THEN CLEAR CHECK CLMF ABORT
    END
  NEXT CHECK CLMF
»

VDEP
« DATA 'DEP' RCL LIST→ 1 SWAP
  START LIST→ DROP CLLCD 3 DISP 1 DISP
  DO
    UNTIL KEY
    END "ENTER" SAME
    IF 1 ≠
    THEN CLEAR CHECK CLMF ABORT
    END
  NEXT CHECK CLMF
»

BALAN
« DATA 'BAL' RCL CHECK
»

FXBAL
« DATA 'BAL' STO CHECK
»

PRINT
« DATA 'BAL' RCL PR1 CR CR
  'CHK' RCL LIST→ 1 SWAP
  START LIST→ DROP CLLCD 4 DISP 3 DISP 2 DISP 1 DISP PRLCD CR
  NEXT CR
  'DEP' RCL LIST→ 1 SWAP
  START LIST→ DROP CLLCD 3 DISP 1 DISP PRLCD CR
  NEXT CHECK CR CR DROP CLMF
»

```

NOTES ON THIS EDITION

1. SETUP creates a subdirectory DATA holding BAL (a running balance), CHK (a list of cheques) and DEP (a list of deposits). Run it once, before anything else.
2. CHECK is called at the end of most of these programs and is not itself in the notebook.

The notebook is the manuscript — handwritten, photocopied, and reproduced exactly as scanned at michaelmorrison.com/downloads/hp28s/checkbook-notebook.pdf. This is the edited edition. The wording and the voice are the manuscript's and the program listings are unaltered; where the prose has been corrected, the notes above say what was changed, so the two can be held against each other.