

kSys85 CP/M 2.2p 256k <- Refers to eight 32k pages available to CP/M  
1 page is the low 32k of the TPA  
1 page is allocated for system use  
6 remaining are free for use

```
A:\>dir
A: STAT      COM : ED      COM : ASM      COM : DDT      COM
A: LOAD      COM : PIP     COM : SUBMIT   COM : XSUB     COM
A: MBASIC    COM : STARTREK BAS : FORMAT COM : DU       COM
A: WM        COM : WM      HLP : UNERA   COM : CRCK     COM
A: SH        COM : SH      OVR : SHSAV   COM : DD       COM
A: POWER     COM : MONSTERS BAS : TYPE    COM : FRAC     BAS
A: XMODEM    COM : QUIET   COM : D       COM : PHI      COM
A: MD        COM : RD      COM : CD      COM : DATE     COM
A: TIME      COM : NOW     COM : CLKREG  COM : MOVE     COM
A: SHODIR    COM : SHOFIL  COM : COPY    COM : DPLS     COM
```

A:\>cls <-- ANSI byte sequence issues from CCP to clear screen

```
A:\>stat
A: R/W, Space: 59k  ROM Disk
C: R/W, Space: 151k RAM Disk
```

A:\>dir d\*.\* <- Needless typing

```
A: DDT      COM : DU      COM : DD      COM : D      COM
A: DATE     COM : DPLS    COM          COM
A:\>
```

A:\>dir d\* <- More Contemporary approach

```
A: DDT      COM : DU      COM : DD      COM : D      COM
A: DATE     COM : DPLS    COM          COM
A:\>cls
```

A:\>date <- BQ4845 RTC functions as Clock and RAM Backup Supervisor

08/08/2021

A:\>time

04:34:22 pm

A:\>c:

C:\>

C:\>now

Sun 08 Aug 2021 04:34:51 pm

C:\>shonu <- Not a Dir utility It's a META-File associating Individual files with Clock Info

```
Files C:\ U:00
0 FMETA .NU 07/12/2021 00:26pm
0 Z .COM 07/12/2021 00:26pm
0 FMETA .DIR 07/12/2021 00:26pm
0 FMETA .FLE 07/12/2021 00:27pm
0 X .COM 07/12/2021 00:29pm
```

```

0 TYPE      .COM  07/12/2021  00:27pm
0 MOVE      .COM  07/12/2021  00:27pm
0 D         .COM  07/12/2021  00:28pm
0 PHI       .COM  07/12/2021  00:35pm
0 COMPARE   .COM  07/12/2021  00:39pm
0 SHODIR    .COM  07/12/2021  00:29pm
0 CD        .COM  07/12/2021  00:30pm
0 RD        .COM  07/12/2021  00:30pm
0 MD        .COM  07/12/2021  00:31pm
0 COPY      .COM  07/12/2021  00:32pm
0 CLKREG    .COM  07/12/2021  00:32pm
0 NOW       .COM  07/12/2021  00:33pm
0 TIME      .COM  07/12/2021  00:33pm
0 DATE      .COM  07/12/2021  00:33pm
more...  [] [] [] [] [] [] [] []  <-- Backspaces that erase "more..." text upon
                                   key stroke
0 MPI       .COM  07/12/2021  00:34pm
0 PHY       .COM  07/14/2021  06:25pm
0 P         .COM  07/12/2021  00:36pm
0 SI        .COM  07/12/2021  00:37pm
0 STB       .COM  07/12/2021  00:37pm
0 BETTY     .      07/12/2021  00:38pm
0 CRCLIST   .TXT  07/12/2021  00:40pm
0 K         .COM  07/12/2021  00:39pm
3 STAT      .COM  07/12/2021  00:43pm
1 CLKREG    .COM  07/12/2021  00:41pm
1 SHODIR    .HEX  07/30/2021  07:01pm
1 CD        .COM  07/12/2021  00:42pm
0 MPI       .HEX  07/17/2021  01:46pm
3 CD        .COM  07/12/2021  00:44pm
1 LEX       .COM  07/17/2021  01:13pm
0 SHOFIELD .COM  07/14/2021  06:41pm
1 DPLS      .COM  07/14/2021  06:44pm
4 CD        .COM  07/14/2021  06:42pm
4 SI        .COM  07/14/2021  06:43pm
5 CD        .COM  07/14/2021  06:57pm
more...  [] [] [] [] [] [] [] []
1 SHODIR    .COM  07/30/2021  07:01pm
0 K         .HEX  07/29/2021  10:33pm
0 SHONU     .COM  07/30/2021  04:50pm
0 TEST      .FLE  07/31/2021  03:57pm

```

C:\>phi<-- Here Dir info and Meta Info Merge as a DIRECTORY Util

Directory C:\ROOT

```

TOOLS      [dir]    05/24/2020  00:56pm  L:20
DOCUMENTS  [dir]    06/11/2020  05:50pm  L:20
MEMO'S     [dir]    20/20/2014  09:20am  L:20
TESTPROCS [dir]    20/20/2014  09:20am  L:20
EMAIL      [dir]    20/20/2014  09:20am  L:20
PROCEDURE  [dir]    20/20/2014  09:20am  L:20
FMETA.NU   02k     08/08/2021  04:35pm
Z.COM      02k     08/08/2021  04:35pm
FMETA.DIR  01k     07/12/2021  00:26pm
FMETA.FLE  01k     07/12/2021  00:27pm

```

```

PHI.COM          03k  07/12/2021  00:35pm
TYPE.COM         01k  07/12/2021  00:27pm
MOVE.COM         02k  07/12/2021  00:27pm
D.COM            03k  07/12/2021  00:28pm
COMPARE.COM      01k  07/12/2021  00:39pm
X.COM            05k  07/12/2021  00:29pm
SHODIR.COM       01k  07/12/2021  00:29pm
CD.COM           01k  07/12/2021  00:30pm
RD.COM           01k  07/12/2021  00:30pm
MD.COM           02k  07/12/2021  00:31pm
COPY.COM         02k  07/12/2021  00:32pm
more... ██████████
CLKREG.COM       02k  07/12/2021  00:32pm
NOW.COM          01k  07/12/2021  00:33pm
TIME.COM         01k  07/12/2021  00:33pm
DATE.COM         01k  07/12/2021  00:33pm
MPI.COM          05k  07/12/2021  00:34pm
SI.COM           02k  07/12/2021  00:37pm
P.COM            11k  07/12/2021  00:36pm
STB.COM          03k  07/12/2021  00:37pm
BETTY.           01k  07/12/2021  00:38pm
CRCLIST.TXT      01k  07/12/2021  00:40pm
K.COM            10k  07/12/2021  00:39pm
TEST.FLE         00k  07/31/2021  03:57pm
PHY.COM          03k  07/14/2021  06:25pm
SHOFILE.COM      02k  07/14/2021  06:41pm
SHONU.COM        02k  07/30/2021  04:50pm
CRCKLIST.CRC     01k  08/08/2021  04:35pm
SD.COM           09k  08/08/2021  04:35pm

```

```

32 Files occupying 83k bytes.
11 files in other directories.
C: has 151k bytes & 20 dlr entries free.

```

```
C:\>cd\tools <- switching to a directory (user area)
```

```
C:\TOOLS>d <-- A Short directory util
```

```
Directory C:\TOOLS
```

```

[ARCHIVE ] <-- Indicates another child directory (user area)
SHODIR .HEX 03k ... CLKREG .COM 02k ... CD .COM 01k ...
DPLS .COM 01k ... LEX .COM 01k ... SHODIR .COM 01k ...

```

```
06 Files occupying 09k
```

```
C:\TOOLS>shodir <-- This util depicts User/Dir association
```

```
Child Directories for C:\TOOLS
```

```
01 P1 ARCHIVE [U03] 04/30/2020 11:49am L:32
```

```
C:\TOOLS>cd archive <-- Select child dir
```

```
C:\TOOLS\ARCHIVE>d <-- Show Dir Content
```

Directory C:\ARCHIVE

STAT .COM 06k ... CD .COM 01k ...  
02 Files occupying 07k

C:\TOOLS\ARCHIVE>

C:\TOOLS\ARCHIVE>cd\ <-- Return to Root Dir

C:\>d <- Show Root Content

```
Directory C:\ROOT
[ TOOLS ]                [ DOCUMENTS ]          [ MEMO'S ]
[ TESTPROCS ]           [ EMAIL ]              [ PROCEDURE ]
FMETA.NU      02k ...    Z.COM         02k ...    FMETA.DIR    01k ...
FMETA.FLE     01k ...    PHI.COM       03k ...    TYPE.COM     01k ...
MOVE.COM      02k ...    D.COM         03k ...    COMPARE.COM  01k ...
X.COM         05k ...    SHODIR.COM    01k ...    CD.COM       01k ...
RD.COM        01k ...    MD.COM        02k ...    COPY.COM     02k ...
CLKREG.COM    02k ...    NOW.COM       01k ...    TIME.COM     01k ...
DATE.COM      01k ...    MPI.COM       05k ...    SI.COM       02k ...
P.COM         11k ...    STB.COM       03k ...    BETTY.       01k ...
CRCLIST.TXT   01k ...    K.COM         10k ...    TEST.FLE     00k ...
PHY.COM       03k ...    SHOFIELD.COM  02k ...    SHONU.COM    02k ...
CRCKLIST.CRC 01k ...    SD.COM        09k ...
32 Files occupying 83k
```

C:\>cd\tools\archive <- Switching direct to /child/child directory

C:\TOOLS\ARCHIVE>xmodem stat.com/r <-- Execute USER0/Drive A: pgm

File exists. Overwrite (Y/N)?y

File created

Receiving via CON with CRCsC

OK

Received 41 blocks

C:\TOOLS\ARCHIVE>stat <-- Run just loaded file

A: R/W, Space: 59k

C: R/W, Space: 151k

C:\TOOLS\ARCHIVE>cd\ <-- Back to Root

C:\>d

```
Directory C:\ROOT
[ TOOLS ]                [ DOCUMENTS ]          [ MEMO'S ]
[ TESTPROCS ]           [ EMAIL ]              [ PROCEDURE ]
FMETA.NU      02k ...    Z.COM         02k ...    FMETA.DIR    01k ...
FMETA.FLE     01k ...    PHI.COM       03k ...    TYPE.COM     01k ...
MOVE.COM      02k ...    D.COM         03k ...    COMPARE.COM  01k ...
X.COM         05k ...    SHODIR.COM    01k ...    CD.COM       01k ...
RD.COM        01k ...    MD.COM        02k ...    COPY.COM     02k ...
CLKREG.COM    02k ...    NOW.COM       01k ...    TIME.COM     01k ...
DATE.COM      01k ...    MPI.COM       05k ...    SI.COM       02k ...
P.COM         11k ...    STB.COM       03k ...    BETTY.       01k ...
CRCLIST.TXT   01k ...    K.COM         10k ...    TEST.FLE     00k ...
PHY.COM       03k ...    SHOFIELD.COM  02k ...    SHONU.COM    02k ...
CRCKLIST.CRC 01k ...    SD.COM        09k ...
```

32 Files occupying 83k

```
C:\>type crcklist.crc <-- A new Transient version of TYPE Intrinsic
FMETA .NU CRC = 8F 58
Z .COM CRC = CC 37
FMETA .DIR CRC = 94 BC
FMETA .FLE CRC = 2E 7A
PHI .COM CRC = 52 DA
TYPE .COM CRC = 13 DE
MOVE .COM CRC = F6 E1
D .COM CRC = E5 DA
COMPARE .COM CRC = 98 83
X .COM CRC = 2E 10
SHODIR .COM CRC = 31 5B
CD .COM CRC = 2E A1
RD .COM CRC = FC BD
MD .COM CRC = BA 40
COPY .COM CRC = EC 24
CLKREG .COM CRC = B8 B8
NOW .COM CRC = 28 AA
TIME .COM CRC = 3D 9C
DATE .COM CRC = B6 79
MPI .COM CRC = 96 7A
more... [][][][] <-- once again Backspace of More...
SI .COM CRC = 08 F9
P .COM CRC = A9 86
STB .COM CRC = 86 6D
BETTY . CRC = D7 93
CRCLIST .TXT CRC = C7 35
K .COM CRC = E4 A4
K .HEX CRC = 3E B8
TEST .FLE CRC = 00 00
PHY .COM CRC = C5 E9
SHOFILE .COM CRC = 98 04
SHONU .COM CRC = C2 EA

C:\>
```