



# Tech Info Library

## Pascal: Sending Output to the Printer

Here is an example of printing to both screen and printer from a Pascal program. Without the delay procedure, everything would appear to happen at once, so we have it in the program only to improve the sense of sequence during execution.

```
program PRINT_OUTPUT;
  var OutFile: text;

  procedure DELAY;
    var Count: integer;
  begin
    for Count := 1 to 2000 do
      end; {Delay}

begin
  rewrite (OutFile, 'printer:'); {Declare the printer}
                                {as a file.}
  writeln ('This is a test. '); {Output goes to the screen.}
  DELAY;
  writeln (OutFile, 'This is a test. '); {Output goes to}
                                           {the printer.}

  DELAY;
  writeln ('This goes to the screen. ');
  DELAY;
  writeln (OutFile, 'This goes to the printer. ');
  close (Outfile) {Close the file ".printer" and end.}
end. {Print_Output}
```

To change devices, simply change the "PRINTER:" in the REWRITE statement to the name of the output device. The program APPLE3:DISKIO is an example of writing to a disk file.

Apple Pascal can have as many as ten files open for input and output at one time; "OutFile" is only one. Additional files can be declared with additional REWRITE statements.

Because Pascal treats output as a file, both of these examples work with Apple II and Apple III Pascal.

To transfer a text file to the printer, use the Filer "T" function. For example, to print the contents of GRAFDEMO.TEXT (found on APPLE3:), type "T", followed by "APPLE3:GRAFDEMO.TEXT,PRINTER:". (Don't include the quotation

marks.) The directory of APPLE3: can be printed out by typing "E", followed by "APPLE3:,PRINTER:".

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