int    *p;    /* declare an integer pointer */

p = 0x110000;    /* point to lowest address of device */
*p = 1;    /* start paper advance */
while (*((p+4) != 0) /* poll for paper advance */) {
    *(p+1) = 1;    /* start print head moving */
    while (*((p+4) != 0) /* poll for print head movement */) {
        *(p+2) = 'C';    /* select character “C” */
        while (*((p+4) != 0) /* poll for character selection */) {
            *(p+3) = 1;    /* start hammer striking */
            while (*((p+4) != 0) /* poll for hammer striking */) {
                
Figure 15.3 An example of C code that carries out the steps from Figure 15.1
on an imaginary printing device as specified in Figure 15.2.