1. Do Problem 6.33.

   To save some typing, you can get the source code for Figures 6.40 from the Help system in Pep/9. Name your program `Prob0633.pep`. Hand in the `.pep` source file electronically per the instructions for your course.

2. Do Problem 6.39.

   To save some typing, you can get the source code for Figures 6.48 from the Help system in Pep/9. Name your program `Prob0639.pep`.

   Note that there is a typo in the text. The C code `printf("\n")` should be the first line of code inserted, not the last, as follows:

   ```
   printf("\n");
   first2 = 0; p2 = 0;
   for (p = first; p != 0; p = p->next) {
      p2 = first2;
      first2 = (struct node *) malloc(sizeof (struct node));
      first2->data = p->data;
      first2->next = p2;
   }
   for (p2 = first2; p2 != 0; p2 = p2->next) {
      printf("%d ", p2->data);
   }
   ```

   So, if the input is

   ```
   10 20 30 40 50 -9999
   ```

   the output should be

   ```
   50 40 30 20 10
   10 20 30 40 50
   ```

   Hand in the `.pep` source file electronically per the instructions for your course.