```
#define NAME_LEN 25
 struct part {
  int number;
  char name[NAME_LEN+1];
  int on hand;
  struct part *next;
 };
struct part *inventory = NULL; /* points to first part */
struct part *find_part(int number);
void insert(void);
void search(void);
void update(void);
void print(void);
* main: Prompts the user to enter an operation code,
        then calls a function to perform the requested
        action. Repeats until the user enters the
        command 'q'. Prints an error message if the user *
        enters an illegal code.
 *************
int main(void)
  char code;
  for (;;) {
   printf("Enter operation code: ");
   scanf(" %c", &code);
   while (getchar() != '\n')
                           /* skips to end of line */
   switch (code) {
     case 'i': insert();
             break;
     case 's': search();
             break;
     case 'u': update();
             break;
     case 'p': print();
             break;
     case 'q': return 0;
     default: printf("Illegal code\n");
   printf("\n");
find_part: Looks up a part number in the inventory
           list. Returns a pointer to the node
           containing the part number; if the part
           number is not found, returns NULL.
************************
```