```c
/* mysymrec.c --- symbol table implementation file for mycalc -*-
 c -*- */
/*   Time-stamp: <mysymrec.c (1997/09/10, 18:14:05) by alair at i
me.usp.br)>    */

#include "mysymrec.h"

static symrec *sym_table;

symrec *
putsym (sym_name,sym_type)
     char *sym_name;
     int sym_type;
{
  symrec *ptr;
  ptr = (symrec *) malloc (sizeof (symrec));
  ptr->name = (char *) malloc (strlen (sym_name) + 1);
  strcpy (ptr->name,sym_name);
  ptr->type = sym_type;
  ptr->value.var = 0; /* set value to 0 even if fctn.  */
  ptr->next = (struct symrec *)sym_table;
  sym_table = ptr;
  return ptr;
}

symrec *
getsym (sym_name)
     char *sym_name;
{
  symrec *ptr;
  for (ptr = sym_table; ptr != (symrec *) 0;
       ptr = (symrec *)ptr->next)
    if (strcmp (ptr->name,sym_name) == 0)
      return ptr;
  return 0;
}

void
create_sym_table(void) {
  sym_table = (symrec *) 0;
}

void
```

```
print_sym_table(void)
{
  unsigned b;
  symrec *rec = sym_table;
  for ( ; rec; rec = rec->next ) {
    printf ("%s\n", rec->name);
  }
}
```