## Help-hint-1:

```
if (sym==callsym) { /* procedure call */
    getsym();
    if (sym!=ident) error(XXXXXXX); else
    { i=position(id, ptx);
        if(i==0) error(YYYYY); else
        if (table[i].kind==procedure)
            gen(cal,lev-table[i].level, table[i].adr);
        else error(ZZZZZZ);
        getsym();
    }
```

## Help-hint-2:

```
block(lev, tx)
int lev:
int tx;
 int dx, tx0, cx0;
 dx=3; tx0=tx; table[tx].adr=cx; gen(jmp,0,0); // current cx is saved to table[tx0].adr
                             // Generate jmp 0,0, the second 0 tentative
 if (lev>levmax) error(?????);
 do {
  if (sym==constsym) {
   getsym();
   do {
     constdeclaration(lev,&tx,&dx);
     while(sym==comma) {
      getsym(); constdeclaration(lev,&tx,&dx);
    if(sym==semicolon)getsym(); else error(?????);
   } while (sym==ident);
  if (sym==varsym) {
   getsym();
   do { vardeclaration(lev,&tx,&dx);
     while (sym==comma) {
      getsym(); vardeclaration(lev,&tx,&dx);
   if(sym==semicolon) getsym(); else error(??????);
```

```
} while(sym==ident);
  }
  while(sym==procsym) {
   getsym();
   if(sym==ident){
    enter(procedure,&tx,&dx,lev); getsym();
   } else error($$$$);
   if (sym==semicolon) getsym(); else error(??????);
   block(lev+1, tx);
                             // Go to a block one level higher
   if(sym==semicolon) {
    getsym();
   } else error(?????);
 }while ((sym==constsym)||(sym==varsym)||(sym==procsym));
 code[table[tx0].adr].a=cx; // The tentative jump address is fixed up
 table[tx0].adr=cx;
                        // the space for address for the above jmp is now occupied by
the new cx
cx0=cx; gen(inc,0,dx);
                          // inc 0,dx is generated. At run time, the space of dx is
secured
statement(lev,&tx);
gen(opr,0,0);
```