## Help-hint-1:

```
if (sym==callsym) { /* procedure call */
  getsym();
  if (sym!=ident) error(XXXXXX); 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(ZZZZZ);
  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
                       // the space for address for the above jmp is now occupied
table[tx0].adr=cx;
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);
```