Revised Grammar

```
<fdecls> ::= <fdec>;<fdecls r> | <fdecls r>
<fdecls r> ::= <fdec>;<fdecls r> | &
<fdec> ::= def <type> <fname> ( <params> ) <declarations> <statement seq> fed
<params> ::= <tvpe><var><params opt> | &
<params_opt> ::= , <params> | &
<fname> ::= <id>
<declarations> ::= <decl>;<declarations r> | <declarations r>
<declarations r> ::= <decl>;<declarations r> | &
<decl> := <tvpe> <varlist>
<type> := int | double
<varlist> ::= <var><varlist opt>
<varlist opt> ::= , <var><varlist opt> | &
<statement seq> ::= <statement><statement seq opt>
<statement seq opt> ::= ; <statement><statement seq opt> | &
<statement> ::=
                  <var> = <expr> |
                  if <bexpr> then <statement seq> <statement opt> |
                  while <bexpr> do <statement seq> od |
                  print <expr> |
                  return <expr> |
<statement opt> ::= fi | else <statement seq> fi
<expr> ::= <term><expr r>
<expr r> ::= + <term><expr r> | - <term><expr r> | E
<term> ::= <factor><term r>
<term r> ::= * <factor><term r> | / <factor><term r> | % <factor><term r> | &
<factor> ::= <id><factor opt> | <number> | (<expr>)
<factor opt> ::= (<exprseq>) | [<expr>] | &
<exprseq> ::= <expr><exprseq opt> | &
<exprseq opt> ::= , <expr><exprseq opt> | &
<br/><bexpr> ::= <bterm><bexpr r>
<bexpr r> ::= or <bterm><bexpr r> | \mathcal{E}
<bterm r> ::= and <bfactor><bterm r> | &
```