

## A9 Main Function: main.c

```
#include <stdio.h>
#include <stdlib.h>
#include "type.h"
extern int syntax_err;
extern A_NODE *root;
extern FILE *yyin;
void initialize();
void print_ast();
void main(int argc, char *argv[])
{
    if (argc<2){
        printf("source file not given\n");
        exit(1);}
    if ( (argc==2) && (yyin=fopen(argv[argc-1],"r"))==NULL ) {
        printf("can not open input file: %s\n",argv[argc-1]);
        exit(1);}
    printf("\nstart syntax analysis\n");
    initialize();
    yyparse();
    if (syntax_err) exit(1);
    print_ast(root);
    exit(0);
}
```