```
%{
        #include <stdio.h>
        #include <stdlib.h>

%}

%%

"DOUBLE" {
        yytext = "FLOAT";
        fprintf(yyout, "%s", yytext);
        }

"double" {
        yytext = "float";
        fprintf(yyout, "%s", yytext);
        }

"INT" {
        yytext = "SHORT";
        fprintf(yyout, "%s", yytext);
        }

"int" {
        yytext = "short";
        fprintf(yyout, "%s", yytext);
        }

. {
        fprintf(yyout, "%s", yytext);
        }

%%
int main()
{
        char in_file_name[100];
        printf("Enter the input file name : ");
        scanf("%123s",in_file_name);

        extern FILE *yyin;
        extern FILE *yyout;

        yyin = fopen(in_file_name, "r");

        if(yyin == NULL)
                printf("\nError!!!\nCan't open the file.\n");

        yyout = fopen("output_file.cpp", "w");
        yylex();

        fclose(yyin);
        fclose(yyout);

        return 0;
}
```