```
%{
#include <stdio.h>
#include <stdlib.h>
void decimal_to_hexadecimal(int decimal, char *hex) {
    sprintf(hex, "%X", decimal);
}
%}
DIGIT [0-9]
DECIMAL {DIGIT}+
WORD [A-Za-z]+
%%
{DECIMAL} {
    int decimal = atoi(yytext);
    char hex[10];
    decimal_to_hexadecimal(decimal, hex);
    printf("%s", hex); // Print the hexadecimal number
}
{WORD} {
    printf("%s", yytext); // Print the word (text)
}
[ \t\n]+ {
    // Handle whitespace by printing it as is
    printf("%s", yytext);
}
. {
    // Print any other single characters
    printf("%s", yytext);
}
%%
int main() {
    yylex();
```

```
return 0;
}
```

Output:

