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PROGRAM:
%{
#include<stdio.h>
%}
%%
int|char|float|return { printf("\n%s=> Keywords",yytext);}
#.* { printf("\n%s=>Preprocessor Directive",yytext);}
printf|scanf|main { printf("\n%s=>functions",yytext);}
["][a-z]+["] { printf("\n%s=>Strings",yytext);}
[[a-z]|[A-Z]][[a-z]|[A-Z]|[0-9]] + \{ printf("\n\%s=>Identifiers", yytext); \}
[0-9] { printf("\n%s=>Numbers",yytext);}
"+"|"-"|"*"|"/"|"%" { printf("\n%s=>Operators",yytext);}
","|";"|"&"|"("|")"|"["|"]"|"{"|"}" { printf("\n%s=>Special Characters",yytext);}
%%
int main()
FILE *fp;
fp=fopen("input.txt","r");
yyin=fp;
yylex();
return 0;
int yywrap()
return 1;
```

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input.txt:
int main()
int a,b;
printf("hello");
float c;
char d;
return 0;
```