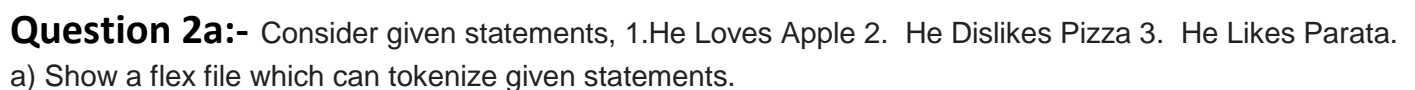


**Code:-** Make File Code

### Output:-



**Code:-**

Flex File Code:

```
%option noyywrap

%{
#include "program2.tab.h"
%}

%%
%%
%%
```

```

"He" {printf("%s --> Pronoun \n",yytext); return(PORNOUN);}
"Loves" {printf("%s --> Verb1 \n",yytext); return(VERB1);}
"Dislikes" {printf("%s --> Verb2 \n",yytext); return(VERB2);}
"Likes" {printf("%s --> Verb3 \n",yytext); return(VERB3);}
"Pizza" {printf("%s --> Object1 \n",yytext); return(OBJECT1);}
"Apple" {printf("%s --> Object2 \n",yytext); return(OBJECT2);}
"Parata" {printf("%s --> Object3 \n",yytext); return(OBJECT3);}
%%

```

## Output:-

**Question 2b:-** Consider given statements, 1.He Loves Apple 2. He Dislikes Pizza 3. He Likes Parata.  
b) Show a bison file which can parse given statements.

## Code:-

Bison File Code :

```

%{
#include<stdio.h>
void yyerror(char *s);
int yylex();
%}

%token PORNOUN VERB1 VERB2 VERB3 OBJECT1 OBJECT2 OBJECT3
%start s

%%
s: PORNOUN VERB1 VERB2 VERB3 OBJECT1 OBJECT2 OBJECT3
    ;
%%

int main(){
    yyparse();
    printf("\nparsing finished");
    return 0;
}

void yyerror(char *s){
    fprintf(stderr,"\nError : %s",s);
}

```

Flex File Code:

```
%option noyywrap

%{
#include "program2.tab.h"
%}

%%
"He" {printf("%s --> Pronoun \n",yytext); return(PORNOUN);}
"Loves" {printf("%s --> Verb1 \n",yytext); return(VERB1);}
"Dislikes" {printf("%s --> Verb2 \n",yytext); return(VERB2);}
"Likes" {printf("%s --> Verb3 \n",yytext); return(VERB3);}
"Pizza" {printf("%s --> Object1 \n",yytext); return(OBJECT1);}
"Apple" {printf("%s --> Object2 \n",yytext); return(OBJECT2);}
"Parata" {printf("%s --> Object3 \n",yytext); return(OBJECT3);}
%%
```

**Output:-**

```
flex program2.l
gcc program2.tab.c lex.yy.c
./a.exe < input.txt
He --> Pronoun
Loves --> Verb1
Dislikes --> Verb2
Likes --> Verb3
Pizza --> Object1
Apple --> Object2
Parata --> Object3

parsing finished
```