```cpp
#include <iostream>

#include <fstream>

#include <stdlib.h>

#include <string.h>

#include <ctype.h>


using namespace std;


int isKeyword(char buffer[])

{

    char keywords[32][10] = {"auto", "break", "case", "char", "const", "continue", "default",

                    "do", "double", "else", "enum", "extern", "float", "for", "goto",

                    "if", "int", "long", "register", "return", "short", "signed",

                    "sizeof", "static", "struct", "switch", "typedef", "union",

                    "unsigned", "void", "volatile", "while"};

    int i, flag = 0;


    for (i = 0; i < 32; ++i)

    {

        if (strcmp(keywords[i], buffer) == 0)

        {

            flag = 1;

            break;

        }
```

```cpp
    }

    return flag;

}


int main()

{

    cout << "SHRAVAN PURWAR" << endl;

    cout << 1816110196 << endl;

    char ch, buffer[15], operators[] = "+-*/%=";

    ifstream fin("program.txt");

    int i, j = 0;


    if (!fin.is_open())

    {

        cout << "error while opening the file\n";

        exit(0);

    }


    while (!fin.eof())

    {

        ch = fin.get();


        for (i = 0; i < 6; ++i)
```

```cpp
            {
                if (ch == operators[i])
                    cout << ch << " is operator\n";
            }


            if (isalnum(ch))

            {
                buffer[j++] = ch;

            }
            else if ((ch == ' ' || ch == '\n') && (j != 0))

            {
                buffer[j] = '\0';
                j = 0;


                if (isKeyword(buffer) == 1)
                    cout << buffer << " is keyword\n";
                else
                    cout << buffer << " is indentifier\n";

            }
        }


    fin.close();


    return 0;
```

}