Text

Description automatically generated

**T.Y.B.Tech (CSE)**

System Software and Compilers(SSC)

**Lab Assignment No – 6**

**Name: Aniruddha Shende**

**Roll number: PD-05**

**Batch: D1**

**Panel: D**

Letter

Description automatically generated with low confidence

Text, letter

Description automatically generated

Letter

Description automatically generated

Diagram

Description automatically generated

A sheet of music

Description automatically generated with low confidence

**Java Code & Output:**

#include <bits/stdc++.h>

using namespace std;

string s;

char tk;

int pt = 0;

void E();

void ED();

void T();

void TD();

void F();

void advance()

{

pt++;

tk = s[pt];

}

void E()

{

T();

ED();

}

void ED()

{

if (tk == '+')

{

advance();

T();

E();

}

}

void T()

{

F();

TD();

}

void TD()

{

if (tk == '\*')

{

advance();

F();

T();

}

}

void F()

{

if (tk == '(')

{

advance();

E();

if (tk == ')')

{

advance();

}

}

else

{

if (tk == 'i')

{

advance();

}

}

}

int main()

{

while (1)

{

cout << "\nEnter the string: ";

cin >> s;

tk = s[pt];

E();

if (s[pt] == '\0')

cout << "String is ACCEPTED\n";

else

cout << "String is NOT ACCEPTED\n";

int choice;

cout << "Do you want to continue? (1--yes | 0--no )" << endl;

cin >> choice;

if (choice == 0)

exit(0);

pt = 0;

}

return 0;

}

**Output:**

Text

Description automatically generated