**2CS701 Compiler Construction**

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| **Practical 2** | |
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| **Date:** 11-10-2022 | **Batch:** D1 |

**Aim :-** To implement recursive descent parser.

**Grammar :-**

S 🡪 E+i

E 🡪 i\*E

**Code :-**

#include <stdio.h>

char ch;

int fail = 0;

void next(char n)

{

if (ch == n)

{

ch = getchar();

}

else

{

printf("Error");

fail = 1;

}

}

void next2()

{

if (ch == 'i')

{

next('i');

next('\*');

next2();

}

else if (ch == 't')

{

next('t');

}

}

void start()

{

next2();

if (ch == '+')

{

next('+');

next('i');

}

else

{

fail = 1;

printf("Error");

}

}

int main()

{

ch = getchar();

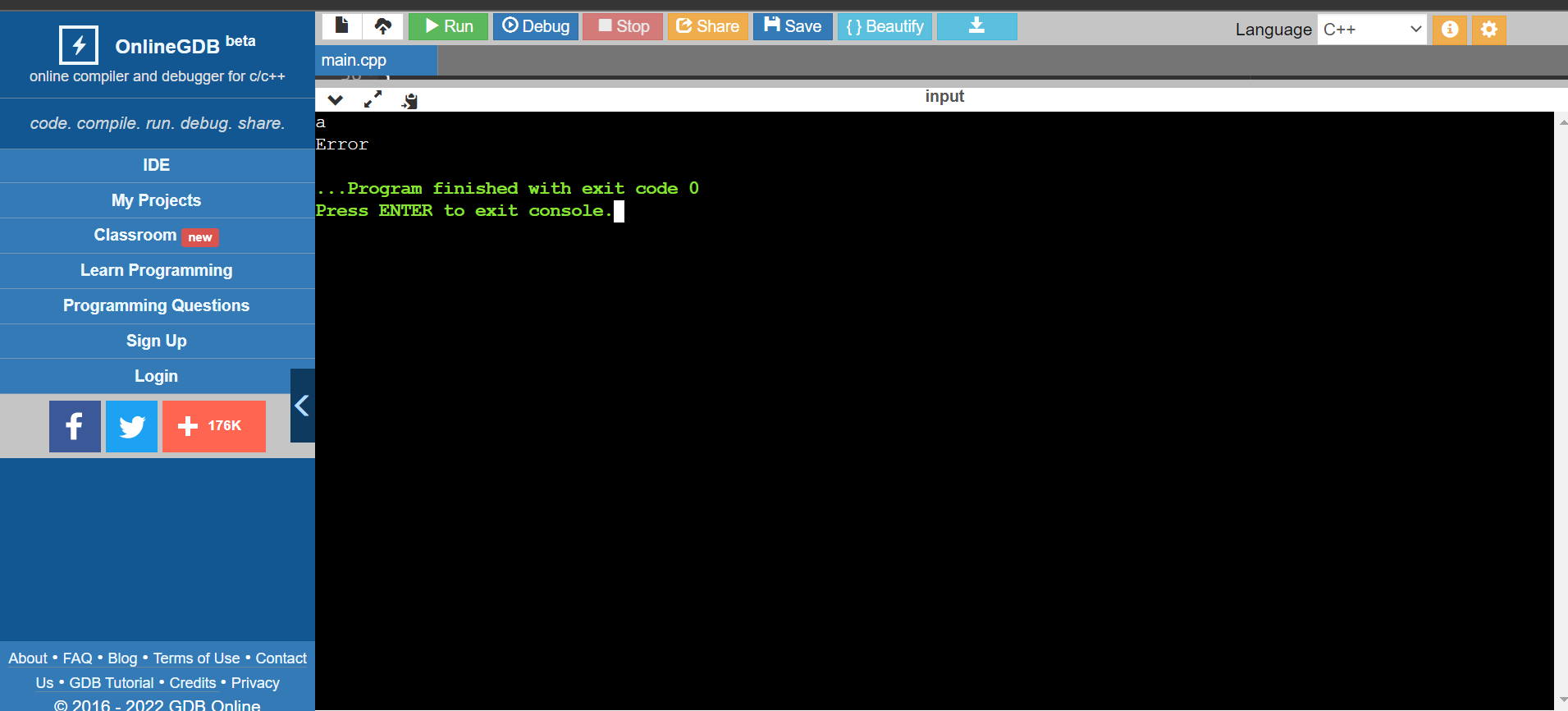
start();

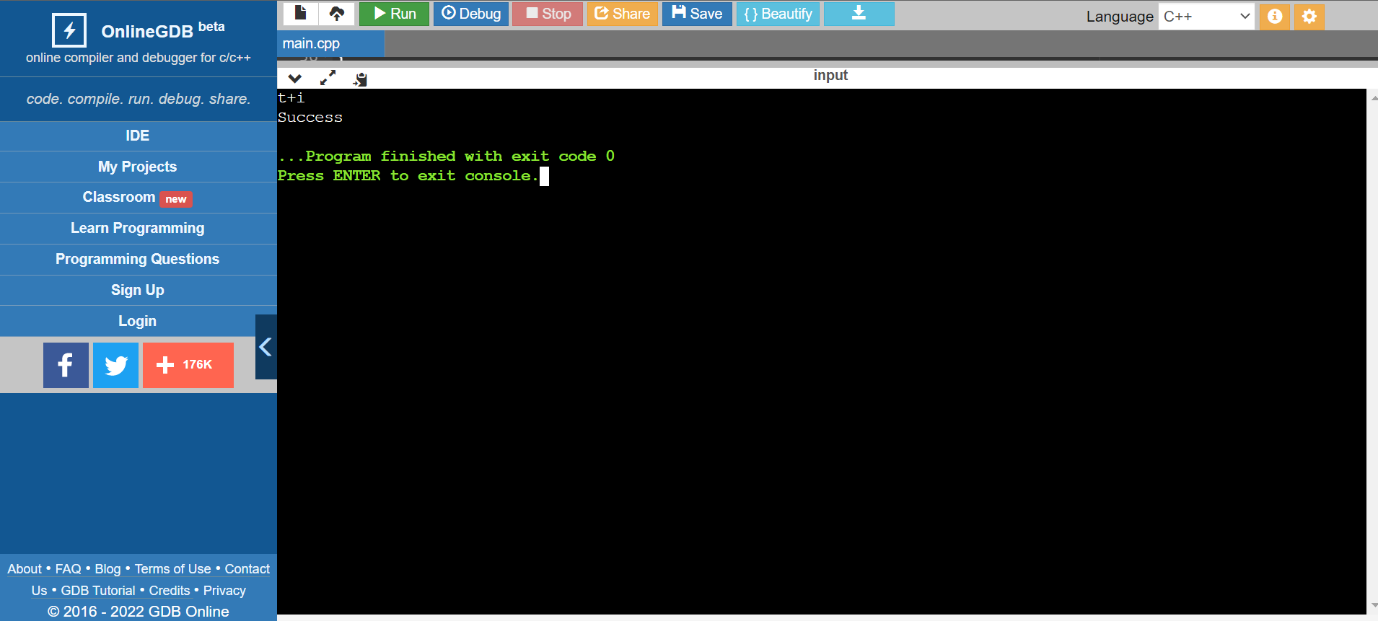
if (!fail)

printf("Success");

}

**Output :-**

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