

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,
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COMPILER LAB PROJECT-1

TESTCASES FOR PARSER

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Test Cases

Test case 1

This Test case demonstrates missing parenthesis.

Input

```
int main()

#include<stdio.h>
void main()
{
    for(;;)
    {
        x--;
    }
//missing parenthesis
```

Expected output

ERROR: Missing closing Parenthesis.

Test case 2

This Test case demonstrates missing semi colon.

Input

```
#include<stdio.h>
void main()
{
    int x,y;
    x = y // missing semicolon
    printf("%d",x);
}
```

Expected output

ERROR: Missing semicolon

Test case 3

This Test case demonstrates undeclared variables.

Input

```
#include<stdio.h>
void main()
{
    int x,y;
    z = x + y; // undeclared value z
}
```

Expected output

ERROR: Undeclared variables

Test case 4

This Test case demonstrates unbalanced expressions.

Input

```
#include<stdio.h>
void main()
{
    int x,y;
    float z;
    z = ((x+y)/(x-y));

    // unbalanced expression
}
```

Expected output

ERROR: Unbalanced expressions

Test case 5

This Test case demonstrates unbalanced expressions.

Input

```
#include<stdio.h>
void main()
{
    printf("\n this program has no errors");
}
```

Expected output

No error, compiles successfully