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☆ Building a Smart IDE: Identifying comments

Your task is to write a program which

- accepts as input a C, C++ or Java program on multiple lines of text, and
- outputs only the comments from those programs.

Comments in C, C++ and Java programs

1. Single Line Comments

```
// this is a single line comment

int x = 1; // a single line comment after code
```

2. Multi Line Comments

```
/* This is one way of writing comments */

/* This is a multi-line comment.
   It spans several lines.
   This is often more convenient for the programmer. */

/*
 * This is also a multi-line comment.
 */
```

Precautions

- Do not add any leading or trailing spaces.
- Do not alter the line break structure of multi-line comments (e.g by collapsing multiple lines into one.)

You should, however, remove any white-space characters that precede a comment.

Input Format

Each test case will be the source code of a program written in C, C++ or Java.

Constraints

- The source code will have no more than 200 lines of text.

Output Format

From the program given to you, remove everything other than the comments.

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```
radius as input from the user*/
#include <stdio.h>
int main()
{
   double radius,area;//variables for storing radius and area
   printf("Enter the radius of the circle whose area is to be
calculated\n");
   scanf("%lf",&radius);//entering the value for radius of the
circle as float data type
   area=(22.0/7.0)*pow(radius,2);//Mathematical function pow is
used to calculate square of radius
   printf("The area of the circle is %lf",area);//displaying the
results
}
/*A test run for the program was carried out and following output
was observed
If 50 is the radius of the circle whose area is to be calculated
The area of the circle is 7857.1429*/
```

Sample Output

```
/*This is a program to calculate area of a circle after getting the
radius as input from the user*/
//variables for storing radius and area
//entering the value for radius of the circle as float data type
//Mathematical function pow is used to calculate square of radius
//displaying the results
/*A test run for the program was carried out and following output
was observed
If 50 is the radius of the circle whose area is to be calculated
The area of the circle is 7857.1429*/
```

YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed.
The timer will pause up to 90 seconds for the tour. Start tour

For help on how to read input and write output in 'Python 2', click here.

Draft saved 09:39 am Original code Python 2

```
# Enter your code here. Read input from STDIN. Print output
to STDOUT
```

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```
    i = 0
    while i < len(s) - 1:
        if s[i] == '/':
            if s[i+1] == '*':
                preIdx = i
                i += 2
                while i < len(s) - 1:
                    if s[i] == '*' and s[i+1] == '/':
                        i += 2
                        print s[preIdx:i]
                        break
                    else:
                        i += 1
            elif s[i+1] == '/':
                preIdx = i
                i = preIdx + 2 + s[preIdx + 2:].find("\n")
                if i > 0:
                    print s[preIdx:i]
                    i += 1
                else:
                    break
            else:
                i += 2
        else:
            i += 1
s = ''
while True:
    try:
        s += raw_input() + "\n"
    except EOFError:
        solve(s)
        break

```

Line: 35 Col: 17

Run Code | Submit code & Continue

(You can submit any number of times)

Test against custom input

```
/**/
```

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1
2
3
4
5

Status: Compiled successfully.

Testcase 1:

Input

```
/**/
```

Your Output

```
/**/
```

Expected Output

```
/**/
```