

Aim:

Write a C Program to perform the following operations on a given paragraph using built-in functions

- Capitalize the first word of each sentence

Source Code:**capitalize.c**

```
#include<stdio.h>
#include<string.h>
#include<ctype.h>
int main(){
    char paragraph[1000];
    printf("Enter a paragraph: ");
    fgets(paragraph, sizeof(paragraph), stdin);
    int len = strlen(paragraph);
    if(len>0)
    {
        paragraph[0]= toupper(paragraph[0]);
        for(int i=1;i<len;i++)
        {
            if(paragraph[i-2]=='. ' || paragraph[i-2]=='! ' || paragraph[i-2]=='? ')
            {
                paragraph[i] = toupper(paragraph[i]);
            }
        }
    }
    printf("Capitalizing first word:\n%s\n",paragraph);
    return 0;
}
```

Execution Results - All test cases have succeeded!**Test Case - 1****User Output**

Enter a paragraph: this is C programming

Capitalizing first word:

This is C programming

Test Case - 2**User Output**

Enter a paragraph: roses are red and violets are blue

Capitalizing first word:

Roses are red and violets are blue