

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