

## sweepSpace

Write a C function that removes all the blank spaces in a string. The function accepts a character string as its parameter and returns the updated string to the calling function. The function prototype is given below:

```
char *sweepSpace(char *str);
```

A sample program template is given below to test the function:

```
#include <stdio.h>
#include <string.h>
char *sweepSpace(char *str);
int main()
{
    char str[80], *p;

    printf("Enter the string: \n");
    fgets(str, 80, stdin);
    if (p=strchr(str, '\n')) *p = '\0';
    printf("sweepSpace(): %s\n", sweepSpace(str));
    return 0;
}
char *sweepSpace(char *str)
{
    /* Write your code here */
}
```

Some sample input and output sessions are given below:

- (1) Test Case 1:  
Enter the string:  
i am a boy  
sweepSpace(): iamaboy
- (2) Test Case 2:  
Enter the string:  
anybody  
sweepSpace(): anybody
- (3) Test Case 3:  
Enter the string:  
He hates you.  
sweepSpace(): Hehatesyou.