AIM:-

To execute a program for character stuffing.

Program:-

```c
#include <stdio.h>
#include <string.h>
#define FLAG '&'
#define ESC '%'
void main()
{
    char data[200], stuff[200], dstuff[200];
    int lenchar, i, j;
    printf("Enter the string :");
    scanf("%s", data);
    lenchar = strlen(data);
    stuff[ ] = FLAG;
    for(i=0, j=1; data[i] != '\0'; i++)
    {
        if(data[i] != FLAG && data[i] != ESC)
        {
            stuff[j++] = data[i];
        }
        if(data[i] == FLAG || data[i] == ESC)
        {
            stuff[j++] = ESC;
            stuff[j++] = data[i];
        }
    }
    stuff[j++] = FLAG;
    stuff[j] = '\0';
    printf("stuffed message is %s \n", stuff);
    lenchar = strlen(stuff);
    printf("Length of the stuff array is %d \n", lenchar);
    printf("After destuffing :");
    printf("%s", data);
}
```

Output:

Enter the string : hi%&
Stuffed message is &hi%%%%&&
length of the string is 8
After destuffing : hi%&