```
// Name: Rakesh Mahadev Bandi
   // PRN: 2024065738
   // Roll No: 3
   #include <stdio.h>
   #include
   <string.h>
   #define ESC "ESC"
   void byteStuffing(char* input, char* stuffedData, char* flag) {
     int i, j = 0;
     int length = strlen(input);
     for (i = 0; i < length; i++) 
        if (input[i] == flag[0] \parallel input[i] == ESC[0]) {
          strcpy(&stuffedData[j], ESC);
         j += strlen(ESC); // Increment j by length of ESC
       stuffedData[j] = input[i];
       j++;
     stuffedData[j] = '\0';
   int main()
     char input[100], stuffedData[200], flag[20];
     printf("Enter the string of input byte: ");
     scanf("%s", input);
     printf("Enter the stuffing byte as flag: ");
     scanf("%s", flag);
     printf("The Un-Stuffed string is: %s\n", input);
     byteStuffing(input, stuffedData, flag);
     printf("The Stuffed String is: %s\n",
     stuffedData);
     printf("Output with flags: %s%s%s\n", flag, stuffedData, flag);
     return 0;
   }
   Output:
 C:\Users\Admin\Documents\C Prog_SYCSE\Direct\CN_6B.exe
Enter the string of input byte: Rakesh
Enter the stuffing byte as flag: k
The Un-Stuffed string is: Rakesh
The Stuffed String is: RaESCkesh
Output with flags: kRaESCkeshk
```

Process exited after 27.61 seconds with return value 0

Press any key to continue \dots