

Exp 8

```
#include<stdio.h>

#include<stdlib.h>

#define MAXSIZE 100

int main()

{

char *p,*q;

char temp;

char in[MAXSIZE];

char stuff[MAXSIZE];

char destuff[MAXSIZE];



int count=0;





printf("enter the input character string (0's & 1's only):\n");

scanf("%s",in);





p=in;

q=stuff;





while(*p!='\0')

{



if(*p=='0')

{



*q=*p;

q++;

p++;





}

else

}
```

```
{  
while(*p=='1' && count!=5)  
{  
count++;  
*q=*p;  
q++;  
p++;  
}  
  
if(count==5)  
{  
*q='0';  
q++;  
}  
count=0;  
}  
}  
*q='\0';  
printf("\nthe stuffed character string is");  
printf("\n%s",stuff);  
  
p=stuff;  
q=destuff;  
while(*p]!='\0')  
{  
if(*p=='0')  
{  
*q=*p;  
q++;
```

```
p++;
}
else
{
while(*p=='1' && count!=5)
{
count++;
*q=*p;
q++;
p++;
}
if(count==5)
{
p++;
}
count=0;
}
}

*q='\0';
printf("\nthe destuffed character string is");
printf("\n%s\n",destuff);
return 0;
}
```