

```
1  #include<iostream>
2  using namespace std;
3
4  void encryption (char ch[], int size) {
5
6  for (int i = 0; i< size;i++) {
7
8  ch[i]=(((int)ch[i])+3) ;
9
10 }
11
12 }
13
14 void decryption (char ch[], int size) {
15     for (int i= 0; i<size; i++){
16         ch[i] = (((int)ch[i])-3) ;
17
18     }
19
20 }
21
```

```
22 void show (char ch[], int size) {
23     for (int i=0 ; i<size; i++) {
24         cout<<ch[i] ;
25
26     } cout<<endl;
27
28 }
29
30 int main() {
31
32     char msg [100];
33     int size;
34     cout<<"\n Enter your message: ";
35     cin.getline (msg, 100) ;
36
37     int i = 0 ;
38     while(msg[i]!='\0')
39         i++ ;
40
```

```
41 size = i ;
42
43 cout<<"\n Input message is : ";
44
45 show( msg, size );
46 cout<<endl;
47 cout<<"\n message after encryption is : ";
48 encryption( msg,size) ;
49 show(msg ,size );
50
51 cout<<"\n message after decryption is : ";
52
53 decryption(msg,size);
54
55 show(msg ,size) ;
56
57 return 0;
58 }
59
```

Enter your message: Ashish joon

Input message is : Ashish joon

message after encryption is : Dvklvk#mrrq

message after decryption is : Ashish joon

...Program finished with exit code 0
Press ENTER to exit console.