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#include <stdio.h>
#include <string.h>

int main() {
    int j, key;
    char msg[100], ch;
    printf("Enter shift key");
    scanf("%d", &key);
    msg[] = "Attack from North";
    printf("Message: %s", msg);
    for (j = 0; msg[j] != '\0'; j++)
    {
        ch = msg msg[j];
        if (ch >= 'a' && ch <= 'z')
        {
            ch = ch + key;
            if (ch > 'z')
                ch = ch - 'z' + 'a' - 1;
            msg[j] = ch;
        }
        else if (ch >= 'A' && ch <= 'Z')
        {
            ch = ch + key;
            if (ch > 'Z')
                ch = ch - 'Z' + 'A' - 1;
        }
    }
}
```

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    msg[j] = ch ;
}
}

printf (" Encrypted message is : %s", msg);
printf ("\n\n Message to decrypt : %s", msg);

for (j=0; msg[j] != '\0'; j++)
{
    ch = msg[j];
    if (ch >= 'a' && ch <= 'z')
    {
        ch = ch - key ;
        if (ch < 'a')
            ch = ch + 'z' - 'a' + 1 ;
        msg[j] = ch ;
    }
    else if (ch >= 'A' && ch <= 'Z')
    {
        ch = ch - key ;
        if (ch < 'A')
            ch = ch + 'Z' - 'A' + 1 ;
        msg[j] = ch ;
    }
}

printf ("\n Decrypted message is : %s", msg);
return 0;
}

```

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