Q1

The output of Q1

```
┌──(root㉿kali)-[~]
└─# gcc q1.c

┌──(root㉿kali)-[~]
└─# ./a.out
abcd
abce
abcf
abcg
abch
abci
abcj
abck
abcl
abcm
abcn
```

```
zyxm
zyxn
zyxo
zyxp
zyxq
zyxr
zyxs
zyxt
zyxu
zyxv
zyxw
Total combinations: 358800
```

```
┌──(root㉿kali)-[~]
└─# echo "$((26 * 25 * 24 * 23))"
358800
```

Q2

Task1: The output of task1 of Q2

```
┌──(root㉿kali)-[~]
└─# gcc q2t2.c -lcrypto

┌──(root㉿kali)-[~]
└─# ./a.out
Private key (d): C5148B1AD7C6D85847C52EABB879F26CCCEE8EB70D2282DC6050309C18F85D85
```

Task2: The output of task2 of Q2

```
┌──(root㉿kali)-[~]
└─# vim decryptKey.c

┌──(root㉿kali)-[~]
└─# gcc decryptKey.c -lcrypto

┌──(root㉿kali)-[~]
└─# ./a.out
Enter your Encrypted Message:
858FF93C7C313EDC14E79A13EAF539D0893DACC7C70D335384965088E88AFC

Original Message:
Congratulation you solved it.
```