Output :- Caesar Cipher

```
cd "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-1/" && gcc Caesar.c -o Ca
pto/Lab/Unit-1/"Caesar
/Users/aryankushwaha/.zshrc:2: command not found: Export
aryankushwaha@Aryan-Kushwaha Unit-1 % cd "/Users/Don't Open/5th Sem/Cry
esar && "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-1/"Caesar

1). Encrypt
2). Decrypt
3).Exit

1. Enter Your Option :1
Enter Plaintext (upto 127 characters) : MEET
Enter Key ( A ,B, C .....) : D
PHHW
1). Encrypt
2). Decrypt
3).Exit

1. Enter Your Option :2
Enter Cipher Text (upto 127 charactera) : PHHW
Enter Key ( A ,B, C .....) : D
MEET
1). Encrypt
2). Decrypt
3).Exit

1. Enter Your Option :3

        Name :- Aaryan Kushawaha
        T.U Roll No. :- 28900/78%
aryankushwaha@Aryan-Kushwaha Unit-1 %
```

Output :- Playfair Cipher

```
cd "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-1/" && gcc Playfair_Cipher.c -o Pl
ayfair_Cipher && "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-1/"Playfair_Cipher
/Users/aryankushwaha/.zshrc:2: command not found: Export
aryankushwaha@Aryan-Kushwaha Unit-1 % cd "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-
r.c -o Playfair_Cipher && "/Users/Don't Open/5th Sem/Crypto/Lab/Unit-1/"Playfair_Ci

1. Encrypt
2. Decrypt
3. Exit

Enter your option: 1

Enter the plaintext (up to 128 characters): CIPHER
Modified text: CIPHER
ENCRYPTED TEXT IS: BEVFKM
1. Encrypt
2. Decrypt
3. Exit

Enter your option: 1

Enter the plaintext (up to 128 characters): ARYAN
Modified text: ARYANX
ENCRYPTED TEXT IS: RMBNAW
1. Encrypt
2. Decrypt
3. Exit

Enter your option: 2

Enter the ENCRYPTED TEXT (up to 128 characters): RMBNAW
Modified text: RMBNAW
DECRYPTED TEXT IS: ARYANX
1. Encrypt
2. Decrypt
3. Exit

Enter your option: 3

        Name :- Aaryan Kushawaha
        T.U Roll No. :- 28900/78%
aryankushwaha@Aryan-Kushwaha Unit-1 %
```

Output :- Rail Fence Cipher

```
cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Crypto/Lab/Unit-1/" && gcc RailFence_Cipher.c -o Ra
her && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Crypto/Lab/Unit-1/"RailFence_Cipher
● (base) aryankushwaha@Aryan-Kushwaha Unit-1 % cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Crypto
/" && gcc RailFence_Cipher.c -o RailFence_Cipher && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Cr
it-1/"RailFence_Cipher

1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 1
Enter Plaintext (up to 127 characters): WE ARE IN SAME RACE UNTIL OUR LIVE END
Enter depth (number of rails): 4
Encrypted Text: WNAIIEISRCTLLVDAEAEENORENRMUUE

1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 2
Enter Ciphertext (up to 127 characters): WNAIIEISRCTLLVDAEAEENORENRMUUE
Enter depth (number of rails): 4
Decrypted Text: WEAREINSAMERACEUNTILOURLIVEEND

1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 3

        Name :- Aaryan Kushawaha
        T.U Roll No. :- 28900/78
○ (base) aryankushwaha@Aryan-Kushwaha Unit-1 %
```

Output :- Vigenère Cipher

```
cd "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Crypto/Lab/Unit-1/" && gcc vigene
ryan_28900/Crypto/Lab/Unit-1/"vigenere
<ere && "/Users/Don't Open/5th Sem/Lab/Aaryan_28900/Crypto/Lab/Unit-1/"vigenere

1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 1
Enter Plantext (uoto 127 charactera) : WEARE
Enter Key ( A ,B, C .....) : DECEP
ZICVT
1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 2
Enter Cipher Text (up to 127 characters): ZICVT
Enter Key (A, B, C, ...): DECEP
WEARE
1). Encrypt
2). Decrypt
3). Exit

Enter Your Option: 3

        Name :- Aaryan Kushawaha
        T.U Roll No. :- 28900/78
(base) aryankushwaha@Aryan-Kushwaha Unit-1 %
```