

Information Security

Practical-2: Mono Cipher

CODE:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    char pt[30] ,c[27], ct[30];
    int i, j, index;
    printf("\n\nImplement Mono Alphabetic Cipher Encryption-
Decryption.");
    printf("\nEnter Plain Text : ");
    gets(pt);

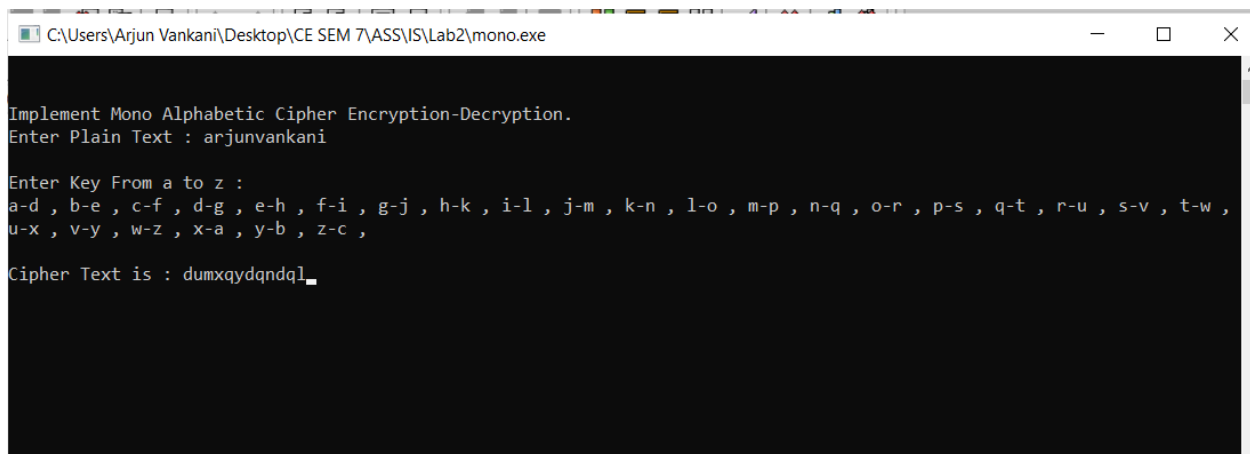
    printf("\nEnter Key From a to z : \n");
    for(i = 0; i < 26; i++)
    {
        printf("%c-", i + 97);
        c[i] = getch();
        printf("%c , ", c[i]);
    }
}
```

```
for(i = 0; i < strlen(pt); i++)
{
    index = pt[i] - 97;
    ct[i] = c[index];
}

printf("\n\nCipher Text is : ");
for(i = 0; i < strlen(pt); i++)
{
    printf("%c", ct[i]);
}

getch();
}
```

Output:



The screenshot shows a Windows command prompt window titled "C:\Users\Arjun Vankani\Desktop\CE SEM 7\ASS\IS\Lab2\mono.exe". The program prompts the user to "Implement Mono Alphabetic Cipher Encryption-Decryption." and "Enter Plain Text : arjunvankani". It then prompts for a key: "Enter Key From a to z :". A list of possible key mappings is displayed: "a-d , b-e , c-f , d-g , e-h , f-i , g-j , h-k , i-l , j-m , k-n , l-o , m-p , n-q , o-r , p-s , q-t , r-u , s-v , t-w , u-x , v-y , w-z , x-a , y-b , z-c ,". The user has entered a key, and the output is "Cipher Text is : dumxqydnqdl_".