

Problem 1 :

Write a C program which reads a text from the standard input (Keyboard) and if its length is bigger than 10 print out a the second five letters (Letter at index 5,6,7,8 and 9).

Sample Input :

Abcdefghijklmnop

Sample Output:

fghij

Problem 2:

Write a C program which reads the date formatted mm/dd/yyyy and then it prints the total number of days since 00/00/0000.

Note : You can assume that every month has 30 days so every year has a 360 days.

Sample Input :

03/04/2001

Sample Output:

720483

Note: You can use strtol function to convert a string to integer.

```
long strtol("2001", NULL, 10)
```

Problem 3:

Write a program which takes a text from the user, and then print the occurrences of all characters in that text.

Note : 'C' and 'c' should be considered 'c', in other words the text is case insensitive.

Sample Input :

C language is a very powerful language that allows programmers to fully control their computers

Sample Output:

' ': 14 | 'a': 8 | 'c': 3 | 'e': 7 | 'f': 2 | 'g': 5 | 'h': 2 | 'i': 2 | 'l': 8 | 'm': 3 | 'n': 3 | 'o': 7 | 'p': 3 | 'r': 8 | 's': 4 | 't': 6 | 'u': 5 | 'v': 1 | 'w': 2 | 'y': 2 |