

1. Write a program that allows the user to input at max 20 letters (uppercase) but if the user enters '#', the program must stop taking inputs. Then print the letters inputted by the user by removing any duplicates in the new line.

Input 1:

ABCCDDBBAAEB#

Output 1:

ABCDE

Explanation 1: Here, the user gave 12 inputs before entering a '#'. So the program terminates and prints the letters by removing duplicates i.e 'A' one time, 'B' one time, 'C' one time, 'D' one time, and 'E' one time.

Input 2:

ABCDABCDBBDDCCCCBAAE

Output 2:

ABCDE

Explanation 2: Here, the user entered 20 characters which is the maximum limit and hence the program terminates automatically and prints the letters by removing duplicates i.e 'A' one time, 'B' one time, 'C' one time, 'D' one time and 'E' one time.