Remove Duplicate character from string

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#define COUNT 256
char *removeDuplicates(char *str)
       int hash[COUNT] = \{0\};
       int currentIndex, finalIndex = 0;
       char temp;
       for(currentIndex = 0; str[currentIndex]; currentIndex++)
              temp = str[currentIndex];
              if(hash[temp] == 0)
                      hash[temp] = 1;
                      str[finalIndex++] = str[currentIndex];
              }
       str[finalIndex] = '\0';
       return str;
}
int main()
{
       char str[100];
       printf("Enter string");
       scanf("%s", str);
       printf("The final string after remove of duplicates is = % \n",
              removeDuplicates(str));
}
Time complexity: O(n)
Space complexity: O(k) where k = 256
```