



Coding Challenge #31 (Question)

Write a program that replaces multiple consecutive occurrences of a character with a single occurrence and print the result in the reverse order.

Note: You can assume that the input string length does not exceed 30 characters.

Sample Input 0:

Ball

Sample Output 0:

laB

Sample Input 1:

Hello

Sample Output 1:

oleH



Coding Challenge #31 (C Solution)

```
#include<stdio.h>

int main()
{
    char str[30], temp[30];
    int i, count=0;
    scanf("%[^\\n]s", str);
    for(i = 0; str[i]!='\\0'; i++)
    {
        if(str[i] != str[i+1])
        {
            temp[count] = str[i];
            count++;
        }
    }

    for(i = count-1; i>=0; i--)
    {
        printf("%c", temp[i]);
    }

    return 0;
}
```



Coding Challenge #31 (JAVA Solution)

```
import java.util.*;

public class StringReverse
{
    public static void main(String[] args)
    {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter the String");
        String s = input.nextLine();
        char str[] = s.toCharArray();
        int size = str.length;
        int index=0;
        for(int i=0;i<size;i++){
            int j;
            for(j=0;j<i;j++){
                if(str[j]==str[i])
                    break;
            }
            if(j==i){
                str[index]=str[i];
                index++;
            }
        }
        for(int i = index-1;i>=0;i--){
            System.out.print(str[i]);
        }
    }
}
```



Coding Challenge #32 (Question)

Write a program to print the greatest of given three numbers.

Sample Input 0:

7
8
9

Sample Output 0:

9

Sample Input 1:

100
1000
-1000

Sample Output 1:

1000



Coding Challenge #32 (C Solution)

```
#include <stdio.h>

int main()
{
    int n1,n2,n3;

    scanf("%d %d %d", &n1, &n2, &n3);

    if((n1 > n2) && (n1 > n3))
    {
        printf("%d", n1);
    }

    else if(n2 > n3)
    {
        printf("%d", n2);
    }

    else
    {
        printf("%d", n3);
    }

    return 0;
}
```



Coding Challenge #32 (JAVA Solution)

```
import java.util.*;

public class Main
{
    public static void main(String[] args) {

        int a,b,c; Scanner sc = new Scanner(System.in);

        a = sc.nextInt();

        b = sc.nextInt();

        c = sc.nextInt();

        if(a > b && a > c)

            System.out.println( a);

        else if(b > a && b > c)

            System.out.println(b);

        else System.out.println(c);

    }
}
```