

revstringusstacks.c

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//Program to reverse a string using stacks
#include <stdio.h>
#include<string.h>
#define MAX 10
char stack[MAX];
int tos=-1;

void push(char letter)
{
if(tos==MAX-1)
{
printf("\nStack Overflow\n");
return;
}
(tos)++;
stack[tos]=letter;
}

void pop()
{
if(tos== -1)
{
printf("\nStack Uderflow\n");
return;
}
char letter=stack[tos];
tos--;
printf("%c",letter);
}
int main()
{
char c;
printf("Enter the string you want to reverse: ");
while(c!='\n')
{
scanf("%c",&c);
push(c);
}
while(tos!= -1)
{
pop();
}
printf("\n");
return 0;
}
```