**revstringusstacks.c**

//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;

}