2]

#include<stdio.h>

#include<string.h>

#define MAX 100

char stack[MAX];

int top=-1;

int isFull(){

return top == MAX-1;

}

int isEmpty(){

return top == -1;

}

void push(char ch){

if (isFull()){

printf("Stack Overflow, Cannot push %c\n",ch);

}else{

stack[++top]=ch;

}

}

char pop(){

if (isEmpty()){

printf("Stack Underflow!\n");

return '\0';

}else{

return stack[top--];

}

}

int main(){

char str[MAX],reversed[MAX];

int i;

printf("Enter a string: ");

scanf("%s",str);

for(i=0;str[i]!='\0';i++){

push(str[i]);

}

for(i=0;!isEmpty();i++){

reversed[i] = pop();

}

reversed[i] = '\0';

printf("Reversed string: %s\n",reversed);

return 0;

}

