

```

// Online C compiler to run C program online

#include<stdio.h>

#include<string.h>

#define SIZE 100

char undostack[SIZE][SIZE];

char redostack[SIZE][SIZE];

int undotop=-1 ,redotop=-1;


void type(char* text) {
strcpy(undostack[++undotop],text);

redotop=-1; //clear redo stack

printf("Typed: %s\n",text);
}

void undo(){
    if(undotop==0) {
printf("nothing to undo!\n");

return;

    }

    strcpy(redostack[++redotop],undostack[undotop--]);

printf("undo done.\n");
}

void redo(){
    if(redotop==0) {

printf("nothing to redo!\n");

return;

    }

    strcpy(undostack[++undotop],redostack[redotop--]);

printf("redo done.\n");
}

```

```
}  
  
void showcurrent() {  
    if(undotop== -1) {  
        printf("current text: [empty]\n");  
    } else {  
        printf("current text:%s\n",undostack[undotop]);  
    }  
}  
  
int main(){  
    type("Hello");  
    type("IMCA class");  
    showcurrent();  
  
    undo();  
    showcurrent();  
  
    redo();  
    showcurrent();  
  
    return 0 ;  
  
}
```