```
#include <stdio.h>
int stack[100];
int top = 0;
void push(int value) {
    if(top > 99) {
        printf("Stack overflow\n");
        return;
    }
    stack[top] = value;
    top++;
}
int pop() {
    if(top <= 0) {
        printf("Stack Underflow\n");
        return;
    }
    top--;
    value = stack[top];
    stack[top] = 0;
    return value;
}
void display() {
    int i;
    if(top==0) {
        printf("Null\n");
        return;
    }
    for(i=top-1; i>=0; i--) {
        printf("%d  ", stack[i]);
    }
    printf("\n");
}
```

```
int main(){
    int option;
    int value;
    while(1){
        printf("Enter the option\n1-push to stack\n2-pop from stack\n3-disp
        scanf("%d",&option);                    -lay stack\n4-exit\n");
        if(option==4){
            return 0;
        }else{
            switch(option){
                case 1:
                    scanf("%d",&value);
                    push(value);
                    break;
                case 2:
                    value = pop();
                    printf("Popped value = %d\n",value);
                    break;
                case 3:
                    display();
                    break;
                default:
                    printf("Enter options given\n\n");
                    break;
            }
        }
    }
}
```