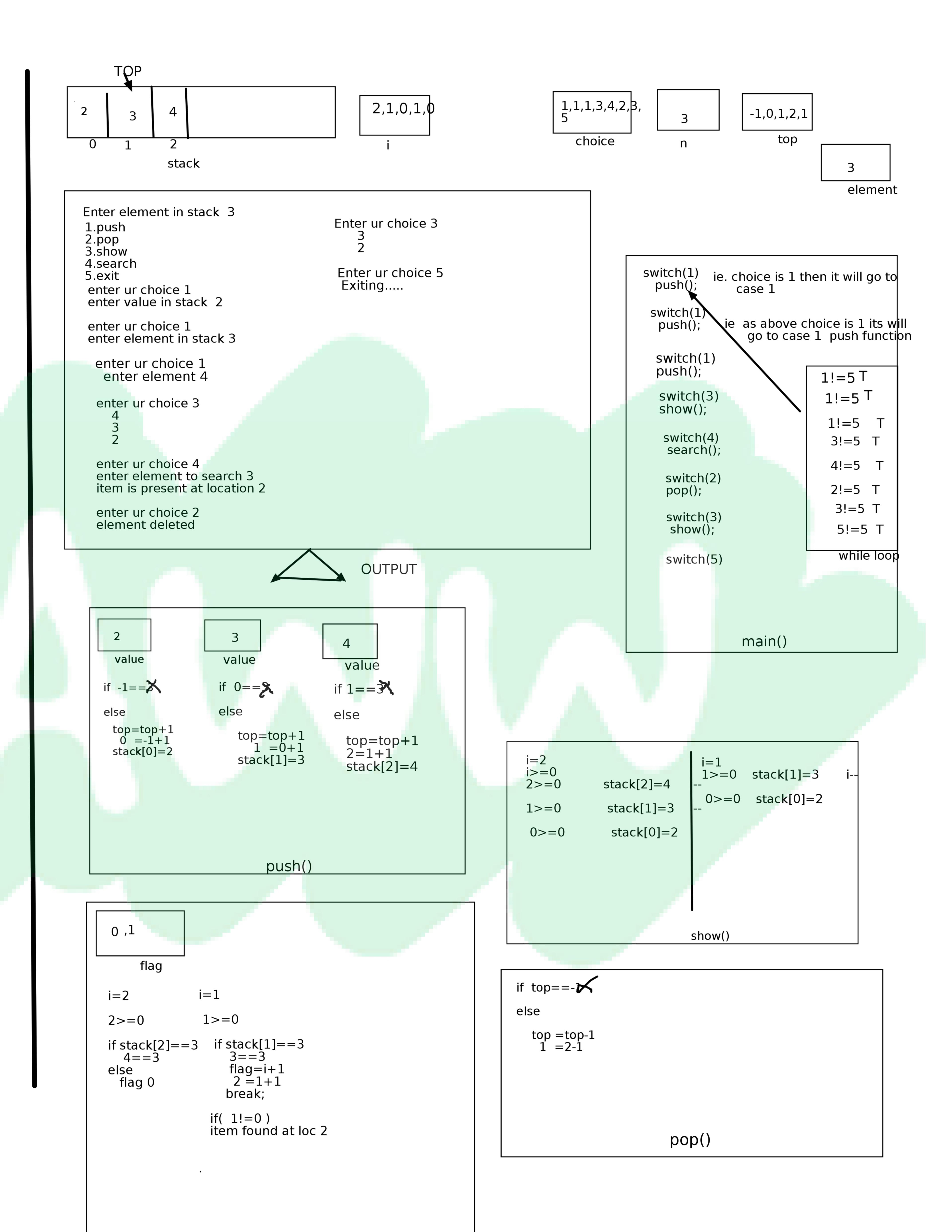
```
#include <stdio.h>
  int stack[100],i,choice=0,n,top=-1,element;
  void push();
  void pop();
void show();
  void search();
  void main ()
     printf("Enter the number of elements in the stack ");
    scanf("%d",&n);
printf("*********Stack operations using array*********);
   printf("\n-----\n");
     while(choice != 5)
        printf("Chose one from the below options...\n"); printf("\n1.Push\n2.Pop\n3.Show\n4.search\n5.exit\n");
        printf("\n Enter your choice \n"); scanf("%d",&choice);
        switch(choice)
           case 1:
               push();
break;
            case 2:
               pop();
break;
            case 3:
               show();
break;
           case 4:
              search();
break;
           case 5:
              printf("Exiting....");
break;
            default:
              printf("Please Enter valid choice ");
  void push ()
     int val;
if (top == n )
printf("\n Overflow");
        printf("Enter the value?");
        scanf("%d",&val);
        top = top +1;
stack[top] = val;
  void pop ()
     if(top == -1)
printf("Underflow");
     top = top -1;
printf("element deleted");
  void show()
     for (i=top;i>=0;i--)
        printf("%d\n",stack[i]);
     if(top == -1)
        printf("Stack is empty");
  void search()
     int flag;
     printf("\nEnter Item which is to be searched\n");
     scanf("%d",&element);
     for (i = top; i >= 0; i--)
        if(stack[i] == element)
           flag = i+1;
break;
        flag = 0;
     if(flag != 0)
        printf("\nltem found at location %d\n",flag);
        printf("\nltem not found\n");
```



search()