Lab 2 - Stack Implement

```
#include <stdio.h>
#define stacksize 10

int stack[50];
int p = -1;

void push(int data)
{
    if (p == stacksize-1)
      printf("Stack Overflow \n");
    else {
        p++;
        stack[p] = data;
      }
}
void pop () {
      if (p == -1)
          printf("Stack Underflow");
      else {
          printf("Element deleted : %d\n", stack[p]);
          p--;
      }
}

void display () {
  printf("Elements : \n");
   for (int i=0; i<=p; i++)
    printf("%d\n", stack[i]);
}
```

```
int main () {
    int n, x ;
  for(;;) {
    printf ("\nEnter choice \n1. Push 2. Pop 3. Display
                              4. Exit \n");
    scanf ("%d", &x);
    switch (x) {
case 1: scanf ("%d", &n);
        scanf ("%d", &n) ;
        push (n);
        break;
case 2: pop ();
        break;
case 3 : display ();
        break;
default case 4: exit (0);
        default : printf ("Wrong choice ! \n");
        break;
    }
  }
  return 0;
}
```