**STACK IMPLEMENTATION USING ARRAYS**

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#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

int top = -1, item, s[10];

void push(){

int b;

if(top>=10)

{

printf("Stack Overflow");

return;

}

printf("Enter no:");

scanf("%d",&b);

top++;

s[top]=b;

}

void pop(){

if(top==-1)

{

printf("Stack Underflow");

return;

}

printf("Deleted no=%d\n",s[top--]);

}

void display(){

if(top==-1)

{

printf("Stack is Empty");

return;

}

for(int i=top;i>-1;i--){

printf("%d\t",s[i]);

}

}

int main()

{

int choice;

while(1){

printf("\nEnter choice\n1.Push\n2.Pop\n3.Display\n4.Exit");

scanf("%d",&choice);

switch(choice)

{

case 1:push();

break;

case 2:pop();

break;

case 3:display();

break;

case 4:exit(0);

default :printf("Invalid chocie");

}

}

return 0;

}

**Sample Output**

