SE IT-A ROLL NO-37

STACK USING ARRAY

#include<stdio.h>

#include<conio.h>

#define size 5

int arr[size],top =-1;

void push()

{

int ele;

printf("enter the element to enter in stack");

scanf("%d",&ele);

if(top == size-1)

{

printf("\nstack overflow");

}

else

{

top++;

arr[top]=ele;

}

printf("element added");

}

void pop()

{

if(top==-1)

printf("stack underflow");

else

{

printf("the deleted element is %d",arr[top]);

top--;

}

}

void display()

{

int i;

if(top == -1)

printf("stack is empty");

else

{

for(i=top;i>=0;i--)

{

printf("\n%d",arr[i]);

}

}

}

void main()

{

int opt;

clrscr();

do

{

printf("\n1.) push");

printf("\n2.) pop");

printf("\n3.) display");

printf("\n4.) exit");

printf("\nenter your option");

scanf("%d",&opt);

switch(opt)

{

case 1: push();

break;

case 2: pop();

break;

case 3: display();

break;

}

}while(opt != 4);

getch();

}

