#include (stdlo.4) # define 312E 5 int stack ISIZET; ciese (int a) readles (per a a int top= -1;

void push (int dement); vord 10p();

void display ();

int main () ?

int morce, element;

202

print + (" stack Operations In "); print + (" 1. Push \n"); printt (" 2. Pop \n"); printf (" 3. Display \n "). print (" 4. creit \"); point (" Enter your doied). scent ("./d", & choice),

ewitch choice 2 case 1: print+ ("Enter elements to push"); scont ("-1d", 2 dement),

push (dement). break;

```
case 2 : pop ()
            break;
      care 3: display()
           break;
      case 4: point ( " Exciting the program. \n");
            break;
     default:
print+ ("Anvaled Choice");
y while (choice != 4);
gelrom o.
                   f (1-== qu) 7:
void push (int element) ?
     it (+0p== size -1) 2
            101 mt + ( " Stack Overylow! Cannot push
dech en monde dement. (n");
   } (+1) (++++ ) (0 = 1 box) 70).
      use ?
           stack (top) = elemed;
           point f ( 4 y, d pushed onto stack In 4,
                                      demant )
```

```
unid pop () 3
       it ( top == -1)
             print + ( " stack Underylow! Count cop
                       denut n 1);
                parte a: posself. ( " Eichna
         else
               printf ("-/d popped from stock) 44
                      stack (top7),
  void display 1/ 3
        ; F (top == -1) }
                 print + (" stack is empty"),
                   (1- 3215 == dot) 3:
             print (" Elements in he stack);
              for (ind i= 0, ; 2=top; i++) 2
                    private ( "/dy stack (it);
            point + ("\");
```

moderago good of stack operations 1. Push 2. Pop 3. Display 4. Exit anter your doing: 1 anter dement to jush: 5 3 pushed onto the stack -) Hack operations 1 Push 2800 3 Display entre gur chore: 1 2/12/2023 Enter he dement to push: 9 9 pushed only no stack seace operations. 1 Push 2 800 3 Pull 79 Eut

9 popped from the stack

-) black operations 1 push 2 POP 3 fall Display 4 servit terr your noice: 3 Elements in stack: 5 -) stack operations I pushed and also me stack 1 Push 2 000 3 Pisplay 4 quit Entre your noice: 4 autting he program I some and long