```
pop 4 pul
     Stacks
# mclude (stdio. h)
                                    and charter feetern of svalue .
# define MAX 5
   Stack [MAX]; 11X3-9-01/1930/1930 En/939-00/1949.19 ] 1809
gut top = -1;
                                       Jan 1 2 . 64 " ] jours.
void push ( and value ) f
                                                1 (Smile) ( though
     (top = = max - 1) f
         printf ("Stack Overflow"); ] ( water "by " ) ( resp. : 1 ) ( )
                                             ( Camp / ding
         elu (
          top ++;
                                                 (1907 : 51m)
           Stack [top] = value;
                                                  130110
           Printf ("Succenfully Added");
                                               (test 3: display ();
                                                   i some
                                               Description of
     void pop () (
                                                   Partak:
         & (top = = -1) f
             print ("Stack Underflow"); }
                                              afouth print [ 1]
         elses
            print ("/.d has bun removed from Stack", Stack [top]
                                                          ( PV 24)
                             11200 1 1
                                                          909 .0
                              202 - 6
                                                        ACTUSED T
                          1078510 E
   void display()(
                                                          FIXE . N
                            1177 .
        1 (top = = -1){
          printf ("Stack Underflow");
         July
                       the Stack.
        for (mt i = 0; i <= top; i++){
                                            HINT .
                                                             14 / 10/2
           print (":/dlt", stack[1]);
                                             203-6
                                                             709 4
                                          3 - DISECT - 8
                                                          14.19616
                                            11/x 3 . 1 !
                                                           TIN S . 13
```

```
vord main () f
                                                  Kd (16/2) 3
    Int choice, boolean = 1; value;
                                                  SXHV
      printf ("1. PUSHIn 2. POPIN3. DISPLAYINA. EXIT.);
     scan ("./.d", & choice);
                                            7 (mile or trie) Hz
                                         7 (1-7000 = e got)
     Switch (choice) f
     Care 1 : scanf (" / d", value);
                                  prouff (" Stark Ovaflow");
          push (value);
           break;
     care 2: popl);
                            Stack [top] = value; ("Surfeerfully subdeal");
           break;
     core 3: display();
            break;
     Care 4: boolean = 0;
                                                1 60 dod P
           break;
                                              } ( ( = = qot ) }
    default: printf ("Invalid Input");
(fast) Shot " Shart women was burn shart " shock (top))
    1. PUSH
                            Tr: 1- PUSH
    2. POP
                                2 - POP
    3. DISPLAY
                                3. DISPLAY
    4. EX17
                                                   Je Jemilap
                                4. EXIT
                                                1(1- = - dat) 1.
                               8 has been removed from the Stack.
  Succonfully Added.
  1. PUSH
                  1. PUSH
                                 ) (+4) (108 ->1(0 = 1101) +8)
 2. POP
                  2. POP
                                ([1]diese." 1/6/(") |min
  3 DISPLAY
                 3. DISPLAY
                 LI. EXIT
 4. EXIT
                Successfully Added.
```

C:\Users\User\Desktop\1BM22CS312\stack.exe

 Push Pop Display 4. Exit 1 Enter a value: 22 Successfully Added 1. Push 2. Pop 3. Display 4. Exit Enter a value: 31 Successfully Added 1. Push 2. Pop Display 4. Exit 3 22 31 Push 2. Pop

Display

4. Exit