```
Q: Implement push, pop and find the minimum element in a stack in O(1) time complexity.
  complexity.
   # circlude < sfdio. b>
    # include < conio.h >
    int stack [100], support_stack [100];
    int push (int element, int * top, int * stack)
             * top = * top + 1;
stack [* top] = element;
      onal Day (China, Hong Kong, Pigerio), Muharram (India) fack, int # fop)
                                                             Sunday
           int element;
·y(*top>-1)
                  element = stack [*top];
                 *top = *top-1;
extress element;
                                                       SMTWTFS
                                                       1 2 3 4 5 6 7
                                                       8 9 10 11 12 13 14
                                                       15 16 11 18 19 20 21
                                                       22 23 24 25 26 27 28
```

print ("In STACK EMPTYIN"); returns - 94999; // means nothing is int chorice, element, top\_main = -1; int top\_support = -1, i, supp\_pop\_elment; int pop-element; print (" Enter the operation: In");
print (" In I. Push h 2. Pop In 3. Check minlo");
print (" A. Stoplo"); scamf (" %d", & choice); cutile (choice! = 5) of (choice ==1) scanf ("/d", & dement);

elu if (choice = = 3) if (top-support >-1)

print ("In Min elent = %dln", support shelltpris)

du "" 5 monty ("In STACK EMPTY"); else if (choice = = 1) el (top\_main > -1) point (" to MAIN STACK In");

soi(i = top\_ main; i>=0; i--) 3 pmnt (" lo%d", stack [i]); pronty (" In STACE EMPTY In");

pronty ("In top\_support = %d' toposupports);

for (i = top\_support; i>=0; is\_N\_) w 1 = 5

8' 9 10 11 12 13 14 3 pont ("In % 24, supporte stack [i]).

print (" In Enter the operation: In I Push In");

point ("In 2. Pop In 3. check minimum in 4. See full steelds?

point (" In 5. STOP In");

scanf (" %d", 2 choice);

return 0;

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