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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **24/06/2020** | | | | | **Name:** | **Albin Francis** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL16CS008** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **-** | | | | | | | | **Max. Marks** | | **-** | | **Score** | | | **-** | | | **Certification Course Summary** | | | | | | | | | | **Course** | **INTRODUCTION TO FULL STACK DEVELOPMENT** | | | | | | | | | **Certificate Provider** | | | **Great Learning**  **Academy** | | **Duration** | | | **8hr** | | **Coding Challenges** | | | | | | | | | | **Problem Statement:** Program to Sort a stack using a temporary stack in java**.** | | | | | | | | | | **Status: Solved** | | | | | | | | | | **Uploaded the report in Github** | | | | | **Yes** | | | | | **If yes Repository name** | | | | | **albinfrancis008** | | | | | **Uploaded the report in slack** | | | | | **Yes** | | | |   Online Test Details: (Attach the snapshot and briefly write the report for the same)  Certification Course Details: (Attach the snapshot and briefly write the report for the same  Screenshot (49).png  Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
|  |  |

/\* Program to Sort a stack using a temporary stackin java.\*/

import java.util.\*;

class SortStack

{

public static Stack<Integer> sortstack(Stack<Integer>input)

{

Stack<Integer> tmpStack = new Stack<Integer>();

while(!input.isEmpty())

{

int tmp = input.pop();

while(!tmpStack.isEmpty() && tmpStack.peek()> tmp)

{

input.push(tmpStack.pop());

}

// push temp in tempory of stack

tmpStack.push(tmp);

}

return tmpStack;

}

public static void main(String args[])

{

Stack<Integer> input = new Stack<Integer>();

input.add(34);

input.add(3);

input.add(31);

input.add(98);

input.add(92);

input.add(23);

// This is the temporary stack

Stack<Integer> tmpStack=sortstack(input);

System.out.println("Sorted numbers are:");

while (!tmpStack.empty())

{

System.out.print(tmpStack.pop()+" ");

}

}

}

Out put:

Sorted numbers are:

3 23 31 34 92 98