**DAILY ONLINE ACTIVITIES SUMMARY**

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| **Date:** | **23-06-2020** | | | | | **Name:** | **Deeksha D Poojary** | |
| **Sem & Sec** | **VIII Semester & A Section** | | | | | **USN:** | **4AL16CS026** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **-** | | | | | | |
| **Max. Marks** | | **-** | | **Score** | | | **-** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Introduction to Amazon Elastic Compute Cloud (EC2)** | | | | | | | |
| **Certificate Provider** | | | **Amazon Web Service** | | **Duration** | | | **10 minutes** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: Write a C program to sort a stack using temperary stack** | | | | | | | | |
| **Status: COMPLETED** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **YES** | | | |
| **If yes Repository name** | | | | | **deekshapoojari** | | | |
| **Uploaded the report in slack** | | | | | **YES** | | | |

Online Test Details:

NIL

Certification Course Coding Challenges Details:

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**Program1:**

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| |  | | --- | | #include<stdio.h> | |  |  | int stack[100], temps[100], temp, choice, n, top, ttop, x, i; | |  |  | void push(int x) | |  |  | { | |  |  | top++; | |  |  | stack[top]=x; | |  |  | } | |  |  | void pop() | |  |  | { | |  |  | temp = stack[top]; | |  |  | top--; | |  |  | } | |  |  | void display() | |  |  | { | |  |  | if(ttop>=0) | |  |  | { | |  |  | printf("\n The sorted elements in STACK \n"); | |  |  | for(i=ttop; i>=0; i--) | |  |  | printf("\n%d",temps[i]); | |  |  | } | |  |  | else | |  |  | { | |  |  | printf("\n The STACK is empty"); | |  |  | } | |  |  |  | |  |  | } | |  |  | int main() | |  |  | { | |  |  | top=-1; | |  |  | ttop = -1; | |  |  | printf("\n Enter the size of STACK[MAX=100]:"); | |  |  | scanf("%d",&n); | |  |  | printf("Enter the elements in the stack:\n"); | |  |  | for(i=0; i<n; i++) | |  |  | { | |  |  | printf(" Enter a value to be pushed:"); | |  |  | scanf("%d",&x); | |  |  | push(x); | |  |  | } | |  |  |  | |  |  | while(top != -1) | |  |  | { | |  |  | pop(); | |  |  | while(ttop != -1 && temps[ttop] > temp) | |  |  | { | |  |  | push(temps[ttop]); | |  |  | ttop--; | |  |  | } | |  |  | ttop++; | |  |  | temps[ttop] = temp; | |  |  | } | |  |  | display(); | |  |  | } | |  |