Don Bosco Institute of Technology, Mumbai - 400070

Department of Computer Engineering

Report on COD-IT

Title : COD-IT

Date : 4th July, 2020.

Time : 3 PM to 5 PM

Venue : hackerank.com

Hackerank website - https://www.hackerrank.com/contests/cod-it/challenges

Participants :

Whatsapp group - 293 participants + organizing team + faculty, Registered- 293,

Total attended - 171, No. of DBIT students - 46

Organizing Department / Committee / Authority : ACM Student Chapter

Faculty Co-ordinator: Ms. Sana Shaikh

Objective :

¬ To let the participants improve their programming skills

¬ To let the participants test their programming skills in competitive environment.

Outcomes :

➢ The audience will become familiar with the actual competitive world of coding

➢ The audience will understand the different challenges present in the field

Report :

The coding competition called COD-IT was conducted by ACM as a opportunity for the brilliant minds to brush up their coding skills in this sluggish time of Quarantine COVID -19.

The competition was organized by ACM DBIT under the leadership of Grejo Joby - Vice Chairperson ACM DBIT and Hayden Cordeiro - Technical Head ACM DBIT.

Hackerank was chosen as the platform as it is coped up with all the technicalities to host a coding competition. A super response of 293 participants of which 171 students participated.

First there was questions made by Hayden and Grejo which was put into the competition and all the participants had two hours to submit the answers. The scores were calculated according to hackerank according to the time the person takes and the answer he/she submitted.

Posters :

Hackerank Pictures :

All Friends	Filter by Select filter ⌄	Type username to compare **Compare**

Rank	User		Score	Time	Country
1	abhishekthakur23		140.40	4:34:42	🇮🇳
1	dms24081999		140.40	6:21:09	🇮🇳
3	ashishgusain2017	Compare	122.80	5:01:41	🇮🇳
4	arjun_chavan999		100.80	6:03:18	🇮🇳
5	PuiPuiTuiPui		100.00	3:06:33	🇮🇳
5	voidpp25		100.00	4:18:48	🇮🇳
7	tejas_kale		99.60	3:47:14	🇮🇳
8	sanketdeshmukh82		98.40	4:49:38	🇮🇳
9	randiverutuja		96.80	4:48:09	🇮🇳
10	shadowByte1		95.20	2:14:55	🇮🇳

Unique Shop
Success Rate: 61.34%   Max Score: 20   Difficulty: Easy   **Solve Challenge**

Grejo Builders
Success Rate: 19.79%   Max Score: 20   Difficulty: Easy   **Solve Challenge**

Game of Pandas and Koalas
Success Rate: 26.03%   Max Score: 30   Difficulty: Medium   **Solve Challenge**

Bob, The Ethical Theif
Success Rate: 4.62%   Max Score: 30   Difficulty: Medium   **Solve Challenge**

Programmers La Paradise
Success Rate: 7.14%   Max Score: 50   Difficulty: Hard   **Solve Challenge**

🏆 Current Leaderboard
📊 Compare Progress
☰ Review Submissions

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Message Center

Cod-it

www.hackerrank.com/cod-it

Details	Challenges	Advanced Settings	Moderators	Notifications	Signups	Statistics

Signup Count: 219
Total Cumulative Signups: 223 (includes signups after the end of the contest)
Login Count: 171
Login Conversion Rate: 78.08 %
Number of Users Who Submitted Code: 126

View all contest submissions

Unique Shop   🔒 locked

Problem	Submissions	Leaderboard	Discussions

You are provided with an array of the costs of items in a shop, where `costs[n]` is the cost of the nth item in the shop. The discount system in the shop is unique. If you purchase the nth item, then you will get a discount equivalent to `costs[m]` where `m` is the minimum index such that `m>n` and `costs[m] <= costs[n]`, else, you will not receive any discount.

The array containing the costs of the items in the shop is to be returned, where the nth element is the final cost that is to be paid for the nth item of the shop considering the special discount.

Submissions: 119
Max Score: 20
Difficulty: Easy

Rate This Challenge:
☆☆☆☆☆

More

Input Format

First Line : Integer `p` - Number of items in the shop
Second Line: `p` integers with space

Constraints

- 1 <= costs.length <= 500

- 1 <= costs[n] <= 10^3

Output Format

Single line output displaying the discounted values with space.

Sample Input 0

Sample Input 0

```
5
8 4 6 2 3
```

Sample Output 0

```
4 2 4 2 3
```

Explanation 0

- For item 0 with costs[0]=8 you will receive a discount equivalent to costs[1]=4, therefore, the final price you will pay is 8 - 4 = 4.

- For item 1 with costs[1]=4 you will receive a discount equivalent to costs[3]=2, therefore, the final price you will pay is 4 - 2 = 2.

- For item 2 with costs[2]=6 you will receive a discount equivalent to costs[3]=2, therefore, the final price you will pay is 6 - 2 = 4.

- For items 3 and 4 you will not receive any discount at all.
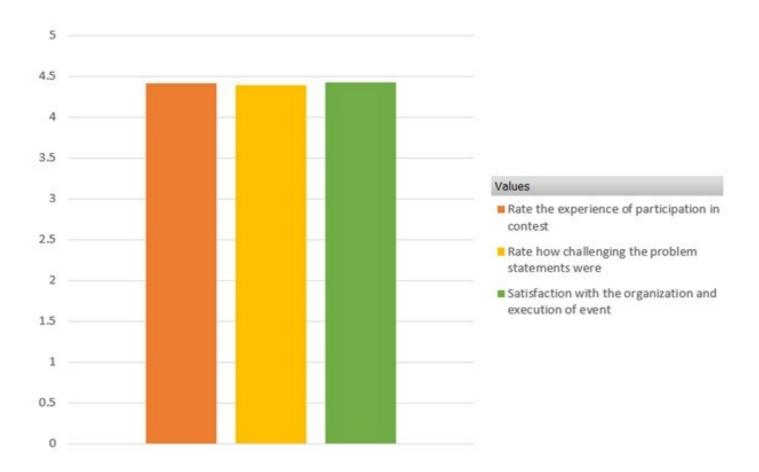
Sample Input 1

```
5
1 2 3 4 5
```

Sample Output 1

```
1 2 3 4 5
```

Winners :

Feedback analysis of the event :

Values
- Rate the experience of participation in contest
- Rate how challenging the problem statements were
- Satisfaction with the organization and execution of event

Report prepared by :

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(ACM Administration Head)

Report approved by:

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(HOD Computer

Department)