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## Report

### Q2) A) **Finding the pattern between the input and the output.**

There is that for a particular  $i$  exclude the number at that position of  $i$  and multiply rest of the numbers.

### B) **Writing the executable code.**

```
#include <bits/stdc++.h>
using namespace std;
void productArray(int arr[], int n)
{
    if (n == 1) {
        cout << 0;
        return;
    }
    int i, temp = 1;
    int* prod = new int[(sizeof(int) * n)];
    memset(prod, 1, n);
    for (i = 0; i < n; i++) {
        prod[i] = temp;
        temp *= arr[i];
    }
    temp = 1;
    for (i = n - 1; i >= 0; i--) {
        prod[i] *= temp;
        temp *= arr[i];
    }
    for (i = 0; i < n; i++)
        cout << prod[i] << " ";
```

```
    return;  
}
```

### **C) Code standards**

Code written in C++.

### **Q3) A) As an intern at Spoonshot, what do you want to achieve in 8 weeks?**

Spoonshot uses AI and culinary science to inform food and beverage innovation. I'll attempt to apply my expertise in AI/ML, NLP, and data science to improve and aim to build a platform for the visitor experience that gives pubs and restaurants a view on patron happiness. I shall attempt to learn an optimum strategy to estimate the customer's under the direction of higher official personnel.

### **B) What is your motivation in the field of Data Science / Machine Learning ?**

Learning data science has helped me grow personally by enabling me to assist businesses professionally and improve in my career by allowing me to use a variety of analytical abilities across several fields including machine learning, big data, predictive analytics, and others. This vast body of information gives me a special standing and sets them apart from others. This is what inspired me to begin studying data science when i started doing mathematical foundation of data science, IITM academic course from here, i got the motivation to learn data science and pursue career in it.

### **C) If you are given a full time offer as a Data Scientist in Spoonshot what is your dream problem which you would like to solve ?**

## **Undefined KPIs and Metrics**

Data scientists can design [machine learning models](#) and get accurate results with the help of it. However, there are chances that the metrics used do not serve the purpose of

implementing DS. Learning data science includes not only knowing development of algorithms, but also requires a keen understanding of other practices. This consists of a mix of metrics and KPIs that boost business growth