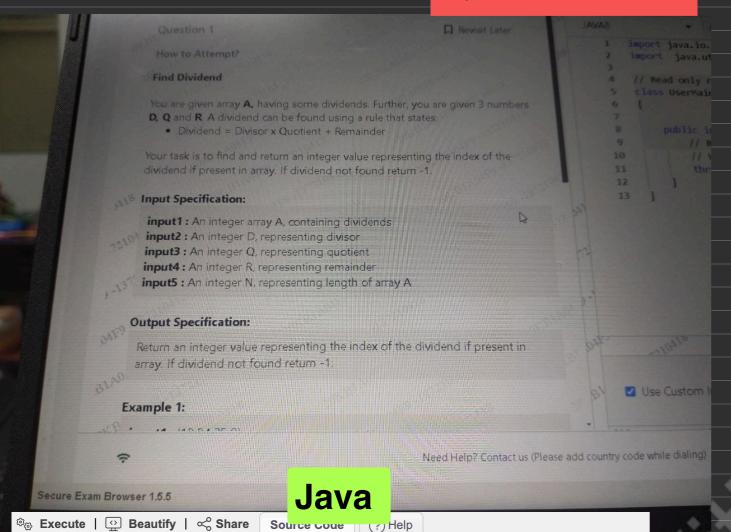| Accenture Sections	Information	Questions and Time
Cognitive Ability	• English Ability • Critical Thinking and Problem Solving • Abstract Reasoning	50 Ques in 50 mins
Technical Assessment	• Common Application and MS Office • Pseudo Code • Fundamental of Networking, Security and Cloud	40 Ques in 40 mins
Coding Round	• C • C++ • Dot Net • JAVA • Python	2 Ques in 45 mins

DEBUG WITH SHUBHAM

Accenture Technical Assessment Detailed Overview

14-SEP-2024 Coding Question

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Question -1

Question 1

How to Attempt?

Find Dividend

You are given array **A**, having some dividends. Further, you are given 3 numbers **D**, **Q** and **R**. A dividend can be found using a rule that states:
- Dividend = Divisor x Quotient + Remainder

Your task is to find and return an integer value representing the index of the dividend if present in array. If dividend not found return -1.

Input Specification:

input1 : An integer array A, containing dividends
input2 : An integer D, representing divisor
input3 : An integer Q, representing quotient
input4 : An integer R, representing remainder
input5 : An integer N, representing length of array A

Output Specification:

Return an integer value representing the index of the dividend if present in array. If dividend not found return -1.

Example 1:

Secure Exam Browser 1.5.5

Python

```python
def find_dividend_index(A, D, Q, R):
    target_dividend = D * Q + R
    for i in range(len(A)):
        if A[i] == target_dividend:
            return i
    return -1
A = [15, 25, 35, 45, 55]
Q = 7
R = 0
N = len(A)
index = find_dividend_index(A, D, Q, R)
print(index)
```
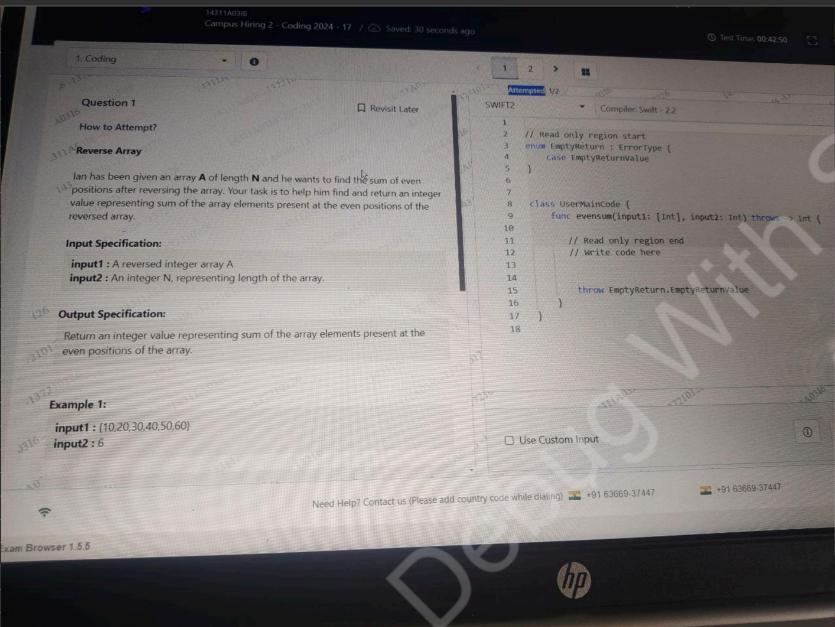
Java

```java
public class Main {
    public static int findDividendIndex(int[] A, int D, int Q, int R)
        {
        int targetDividend = D * Q + R;
        for (int i = 0; i < A.length; i++) {
            if (A[i] == targetDividend) {
                return i;
            }
        }
        return -1;
    }

    public static void main(String[] args) {
        int[] A = {15, 25, 35, 45, 55};
        int Q = 7;
        int R = 0;
        int D = 5; // The missing value of D
        int index = findDividendIndex(A, D, Q, R);
        System.out.println(index);
    }
}
```

C++

```cpp
#include <iostream>
using namespace std;
int findDividendIndex(int A[], int N, int D, int Q, int R) {
    int targetDividend = D * Q + R;
    for (int i = 0; i < N; i++) {
        if (A[i] == targetDividend) {
            return i;
        }
    }
    return -1;
}
int main() {
    int A[] = {15, 25, 35, 45, 55};
    int Q = 7;
    int R = 0;
    int D = 5;
    int N = sizeof(A) / sizeof(A[0]);
    int index = findDividendIndex(A, N, D, Q, R);
    cout << index << endl;

    return 0;
}
```

Question -2

1. Coding

Question 1

🔖 Revisit Later

How to Attempt?

Reverse Array

Ian has been given an array **A** of length **N** and he wants to find the sum of even positions after reversing the array. Your task is to help him find and return an integer value representing sum of the array elements present at the even positions of the reversed array.

Input Specification:

input1 : A reversed integer array A
input2 : An integer N, representing length of the array.

Output Specification:

Return an integer value representing sum of the array elements present at the even positions of the array.

Example 1:

input1 : {10,20,30,40,50,60}
input2 : 6

Attempted 1/2

SWIFT2   ▾   Compiler: Swift - 2.2

```
1
2    // Read only region start
3    enum EmptyReturn : ErrorType {
4        case EmptyReturnValue
5    }
6
7
8    class UserMainCode {
9        func evensum(input1: [Int], input2: Int) throws -> Int {
10
11            // Read only region end
12            // Write code here
13
14
15            throw EmptyReturn.EmptyReturnValue
16        }
17    }
18
```

☐ Use Custom Input

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accenture
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14311A03I6
Campus Hiring 2 - Coding 2024 - 17 / Saved: 30 seconds ago
Test Time: 00:42:38

1. Coding

Example 1:

input1 : {10,20,30,40,50,60}
input2 : 6

Output : 120

Explanation:
Here the array A is = {10,20,30,40,50,60} and reversed array is {60,50,40,30,20,10} and length is 6. The elements at the even position are 60, 40 and 20. The sum of the elements is 60+40+20 = 120. Therefore, **120** is returned as the output.

Example 2:

input1 : {21,24,67,13,24,27}
input2 : 6

Output : 64

Explanation:
Here the array A is = {21,24,67,13,24,27} and reversed array is {27,24,13,67,24,21} and length is 6. The elements at the even position are 27, 13 and 24. The sum of the elements are 27+13+24 = 64. Therefore, **64** is returned as the output.

Attempted 1/2

SWIFT2   ▾   Compiler: Swift - 2.2

```
1
2    // Read only region start
3    enum EmptyReturn : ErrorType {
4        case EmptyReturnValue
5    }
6
7
8    class UserMainCode {
9        func evensum(input1: [Int], input2: Int) throws -> Int {
10
11            // Read only region end
12            // Write code here
13
14
15            throw EmptyReturn.EmptyReturnValue
16        }
17    }
18
```

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Python

main.py +

```python
arr = [10,20,30,40,50,60]
n = len(arr)
arr.reverse()
cnt = 0
for i in range(n):
    if i%2 ==0:
        cnt += arr[i]
print(cnt)
```

Java

```java
public class Main {
    public static void main(String[] args) {
        int[] arr = {10, 20, 30, 40, 50, 60};
        int n = arr.length;

        // Reverse the array
        for (int i = 0; i < n / 2; i++) {
            int temp = arr[i];
            arr[i] = arr[n - i - 1];
            arr[n - i - 1] = temp;
        }

        int cnt = 0;
        for (int i = 0; i < n; i++) {
            if (i % 2 == 0) {
                cnt += arr[i];
            }
        }

        System.out.println(cnt);
    }
}
```

C++

main.cpp

```cpp
#include <iostream>
#include <algorithm>

int main() {
    int arr[] = {10, 20, 30, 40, 50, 60};
    int n = sizeof(arr) / sizeof(arr[0]);
    std::reverse(arr, arr + n);

    int cnt = 0;
    for (int i = 0; i < n; i++) {
        if (i % 2 == 0) {
            cnt += arr[i];
        }
    }
    std::cout << cnt << std::endl;

    return 0;
}
```