

Preetam Naik

Test ID: 450013359000113 | 9676290504 | preetam.naik3@gmail.com

Test Date: August 17, 2025

| | | | |
|--|--|---|--|
| Computer Science 94 /100 | Logical Ability 72 /100 | Computer Programming 74 /100 | Quantitative Ability (Advanced) 80 /100 |
| English Comprehension 64 /100 | WriteX - Essay Writing 5 /100 | Automata 75 /100 | Automata Fix 43 /100 |
| Personality Completed | | | |

| | | | |
|------------------------------|-----------------|-------------------|-----------------|
| Computer Science | | | 94 / 100 |
| OS and Computer Architecture | DBMS | Computer Networks | |
| 86 / 100 | 94 / 100 | 100 / 100 | |

| | | | |
|------------------------|---------------------|---------------------|-----------------|
| Logical Ability | | | 72 / 100 |
| Inductive Reasoning | Deductive Reasoning | Abductive Reasoning | |
| 67 / 100 | 82 / 100 | 68 / 100 | |

Computer Programming

74 / 100

Basic Programming

73 / 100

Data Structures

77 / 100

OOP and Complexity Theory

71 / 100

Quantitative Ability (Advanced)

80 / 100

Basic Mathematics

85 / 100

Advanced Mathematics

76 / 100

Applied Mathematics

80 / 100

English Comprehension

64 / 100

CEFR: **B2**

Grammar

63 / 100

Vocabulary

73 / 100

Comprehension

57 / 100

WriteX - Essay Writing

5 / 100

CEFR: **A1**

Content Score

5 / 100

Grammar Score

5 / 100

Automata

75 / 100

Programming Ability

70 / 100

Programming Practices

100 / 100

Functional Correctness

60 / 100

Automata Fix

43 / 100

Code Reuse

50 / 100

Logical Error

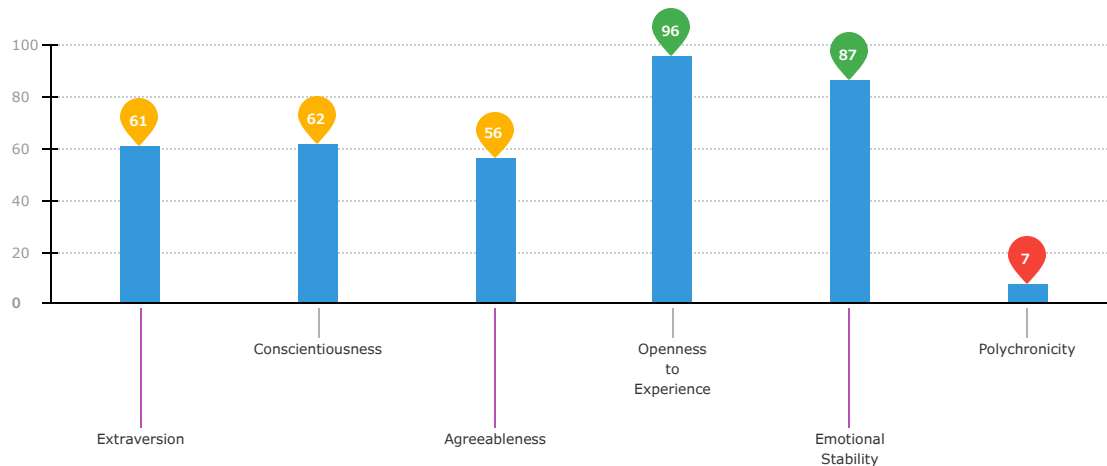
25 / 100

Syntactical Error

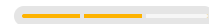
100 / 100

Personality

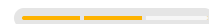
Completed



People Interaction



Self-Drive



Trainability



Repetitive Job Suitability



Work attributes

1 | Introduction

About the Report

This report provides a detailed analysis of the candidate's performance on different assessments. The tests for this job role were decided based on job analysis, O*Net taxonomy mapping and/or criterion validity studies. The candidate's responses to these tests help construct a profile that reflects her/his likely performance level and achievement potential in the job role

This report has the following sections:

The **Summary** section provides an overall snapshot of the candidate's performance. It includes a graphical representation of the test scores and the subsection scores.

The **Insights** section provides detailed feedback on the candidate's performance in each of the tests. The descriptive feedback includes the competency definitions, the topics covered in the test, and a note on the level of the candidate's performance.

The **Response** section captures the response provided by the candidate. This section includes only those tests that require a subjective input from the candidate and are scored based on artificial intelligence and machine learning.

The **Learning Resources** section provides online and offline resources to improve the candidate's knowledge, abilities, and skills in the different areas on which s/he was evaluated.

Score Interpretation

All the test scores are on a scale of 0-100. All the tests except personality and behavioural evaluation provide absolute scores. The personality and behavioural tests provide a norm-referenced score and hence, are percentile scores. Throughout the report, the colour codes used are as follows:

- Scores between 67 and 100
- Scores between 33 and 67
- Scores between 0 and 33

2 | Insights

English Comprehension



64 / 100

CEFR: **B2**

This test aims to measure your vocabulary, grammar and reading comprehension skills.

You have a good understanding of commonly used grammatical constructs. You are able to read and understand articles, reports and letters/emails related to your day-to-day work. The ability to read, understand and interpret business-related documents is essential in most jobs, especially the ones that involve research, technical reading and content writing.

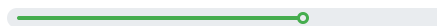
Logical Ability



72 / 100



Inductive Reasoning



67 / 100

This competency aims to measure the your ability to synthesize information and derive conclusions.

It is commendable that you have excellent inductive reasoning skills. You are able to make specific observations to generalize situations and also formulate new generic rules from variable data.



Deductive Reasoning



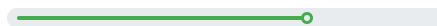
82 / 100

This competency aims to measure the your ability to synthesize information and derive conclusions.

It is commendable that you have excellent inductive reasoning skills. You are able to make specific observations to generalize situations and also formulate new generic rules from variable data.



Abductive Reasoning



68 / 100

Quantitative Ability (Advanced)



80 / 100

This test aims to measure your ability to solve problems on basic arithmetic operations, probability, permutations and combinations, and other advanced concepts.

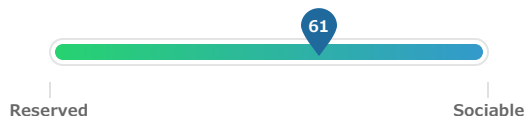
It is commendable that you are able to understand and solve complex arithmetic problems. You are able to solve basic problems of probability, logarithms, permutations, and combinations. This skill will help you in jobs where one needs to work with statistical data and make probabilistic predictions.

Personality

Competencies



Extraversion

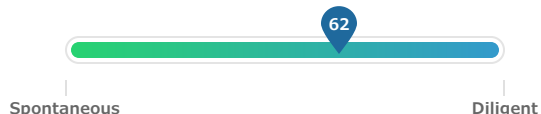


Extraversion refers to a person's inclination to prefer social interaction over spending time alone. Individuals with high levels of extraversion are perceived to be outgoing, warm and socially confident.

- You are comfortable socializing to a certain extent. You prefer small gatherings in familiar environments.
- You feel at ease interacting with your close friends but may be reserved among strangers.
- You indulge in activities involving thrill and excitement that are not too risky.
- You contemplate the consequences before expressing any opinion or taking an action.
- You take charge when the situation calls for it and you are comfortable following instructions as well.
- Your personality may be suitable for jobs demanding flexibility in terms of working well with a team as well as individually.



Conscientiousness

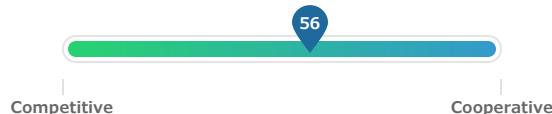


Conscientiousness is the tendency to be organized, hard working and responsible in one's approach to your work. Individuals with high levels of this personality trait are more likely to be ambitious and tend to be goal-oriented and focused.

- You are flexible and able to adapt your work pace to the job at hand.
- You are usually spontaneous but you are likely to stick to a plan whenever necessary.
- You tend to be cautious when you deem it necessary.
- You may prefer to act according to the rules.
- You are confident in your ability to achieve goals but may need support to overcome occasional setbacks.
- You are an efficient worker and try to perform better than your peers. You are well suited for jobs allowing flexibility regarding operating procedures.



Agreeableness

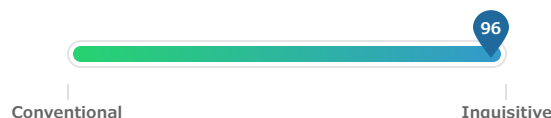


Agreeableness refers to an individual's tendency to be cooperative with others and it defines your approach to interpersonal relationships. People with high levels of this personality trait tend to be more considerate of people around them and are more likely to work effectively in a team.

- You are flexible regarding your opinions and be willing to accommodate the needs of others.
- You are generally considerate of the needs of others yet may, at times, overlook social norms to achieve personal success.
- You are selective about the people you choose to trust.
- You are caring and you empathise a friend in distress.
- You give credit to others but also tends to be open with your friends about personal achievements.
- You are more inclined to strike a compromise in tough situations and may be suitable for jobs that demand managing expectations among different stakeholders.



Openness to Experience

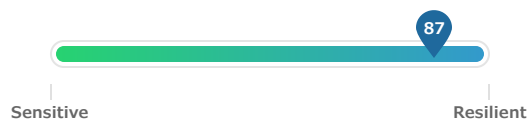


Openness to experience refers to a person's inclination to explore beyond conventional boundaries in different aspects of life. Individuals with high levels of this personality trait tend to be more curious, creative and innovative in nature.

- You tend to be curious in nature and is generally open to trying new things outside your comfort zone.
- You may have a different approach to solving conventional problems and tend to experiment with those solutions.
- You are creative and tends to appreciate different forms of art.
- You are likely to be in touch with your emotions and is quite expressive.
- Your personality is more suited for jobs requiring creativity and an innovative approach to problem solving.



Emotional Stability

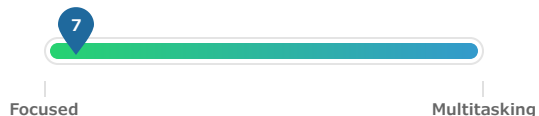


Emotional stability refers to the ability to withstand stress, handle adversity, and remain calm and composed when working through challenging situations. People with high levels of this personality trait tend to be more in control of their emotions and are likely to perform consistently despite difficult or unfavourable conditions.

- You are calm and composed in nature.
- You tend to maintain composure during high pressure situations.
- You are very confident and comfortable being yourself.
- You find it easy to resist temptations and practice moderation.
- You are likely to remain emotionally stable in jobs with high stress levels.



Polychronicity



Polychronicity refers to a person's inclination to multitask. It is the extent to which the person prefers to engage in more than one task at a time and believes that such an approach is highly productive. While this trait describes the personality disposition of a person to multitask, it does not gauge their ability to do so successfully.

- You prefer to work on one task at a time, complete it and then move on to the next.
- You prefer orderliness and likes to concentrate on the task at hand without any distractions.
- You can find it difficult to be placed in a work environment where there is a need to multitask or where expected to engage in multiple projects simultaneously.

3 | Response

WriteX - Essay Writing

5 / 100

CEFR: A1

Question

In your opinion, when is it justified for a company to fire its employees from the job? What are the considerations to be taken before making such a decision?

Support your response with reasons and suitable examples.

Scores

Content Score

Grammar Score

5 / 100

5 / 100

Response

in my **opinon** it is justified for a company to fire its **employee** only when **they** are clear **r** **ea**son that seriously **effect** the **organization** performance or any violation of the rules is **beeing done** for **exampke** when **a** employee consistently misses **the** deadlines or does a ny sexually **harasment** or theft etc which creates a toxic workplace to work in however the employee must be give fair **oppurtunity** to improve through warning during the perf ormance decrement or conduct any performance **improment** plans or workshops and gi ve the employee clear expectations to reach before the warnings or deadlines many or ganizations follow a step by step termination **proess** which include everything mentione d above to ensure a fair termination **proccess** additionally companies recognize the hu man impact of firing and offer any **carrer support** or pay whenever possible example whi le firing some may be in the need of medical support so to protect the health standard of the organization it should be taken care and evaluated with fairness and the needs s hould be provided BUT considering all this companies should know the impact of firing an employee it can lower the morale of other employee and reduce trust in the **manag ment** and ham the company reputation therefore any such decision made need to be **h andeled** with **transperency** and respect towards the employee by providing him job **repl acement assitance** to soften the impact on the employee and keep the company reputati on high

Error Summary

Spelling

16

White Space

5

Style

0

Grammar

7

Typographical

1

Essay Statistics

236

Total words

1

Total sentences

236

Average sentence length

142

Total unique words

108

Total stop words

Error Details

Spelling

| | |
|---|--|
| in my opinion it is justified for a company to fire i... | Possible spelling mistake found |
| ...rmance or any violation of the rules is beeing done for e xampke when a employee consis... | Possible spelling mistake found |
| ...olation of the rules is beeing done for exampke when a e mployee consistently misses the... | Possible spelling mistake found |
| ...e rules is beeing done for exampke when a employee co nsistently misses the deadli... | Use "an" instead of 'a' if the following word starts with a vowel sound, e.g. 'an article', 'an hour' |
| ...sses the deadlines or does any sexually harasment or th eft etc which creates a toxic work... | Possible spelling mistake found |
| ... however the employee must be give fair oppurtunity to i mprove through warning during the p... | Possible spelling mistake found |
| ...ce decrement or conduct any performance improment pl ans or workshops and give the employ... | Possible spelling mistake found |
| ...tions follow a step by step termination proess which incl ude everything mentioned abov... | Possible spelling mistake found |
| ...oned above to ensure a fair termination proccess additio nally companies recognize the hu... | Possible spelling mistake found |
| ...e human impact of firing and offer any carrer suppot or p ay whenever possible example... | Possible spelling mistake found |
| ... impact of firing and offer any carrer suppot or pay when ever possible example while ... | Possible spelling mistake found |
| ... other employee and reduce trust in the managment and ham the company reputation therefor... | Possible spelling mistake found |
| ...efore any such decision made need to be handeled with t ransperency and respect towards t... | Possible spelling mistake found |
| ... decision made need to be handeled with transperency a nd respect towards the employee by pro... | Possible spelling mistake found |
| ...wards the employee by providing him job replacment ass itance to soften the impact on the ... | Possible spelling mistake found |
| ...mployee by providing him job replacment assitance to so ften the impact on the employee a... | Possible spelling mistake found |

White Space

| | |
|--|--|
| ...performance improment plans or workshops and give th e employee clear expectations... | Possible typo: you repeated a whitespace |
| ...ies recognize the human impact of firing and offer any ca rrer suppot or pay whene... | Possible typo: you repeated a whitespace |
| ...on it should be taken care and evaluated with fairness an d the needs should be pr... | Possible typo: you repeated a whitespace |
| ...airness and the needs should be provided BUT considerin g all this companies shoul... | Possible typo: you repeated a whitespace |
| ...eplacment assitance to soften the impact on the employe e and keep the company rep... | Possible typo: you repeated a whitespace |

Grammar

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su ppot or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "employees".

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su ppot or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "there".

in my opinon it is justified for a company to fire its employ ee only when they are clear **reason** that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su pport or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "reasons".

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously **effect** th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su pport or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "affect".

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su pport or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "organization's".

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su pport or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider replacing it with "done.".

in my opinon it is justified for a company to fire its employ ee only when they are clear reason that seriously effect th e organization performance or any violation of the rules is beeing done for exampke when a employee consistently mi sses the deadlines or does any sexually harasment or theft etc which creates a toxic workplace to work in however the employee must be give fair oppurtunity to improve through warning during the performance decrement or conduct any performance improment plans or workshops and give the e mployee clear expectations to reach before the warnings or deadlines many organizations follow a step by step termina tion proess which include everything mentioned above to e nsure a fair termination proccess additionally companies re cognize the human impact of firing and offer any carrer su pport or pay whenever possible example while firing some may be in the need of medical support so to protect the he alth standard of the organization it should be taken care an d evaluated with fairness and the needs should be provide d BUT considering all this companies should know the impa ct of firing an employee it can lower the morale of other e mployee and reduce trust in the managment and ham the company reputation therefore any such decision made nee d to be handeled with transperency and respect towards th e employee by providing him job replacment assitance to s often the impact on the employee and keep the company r eputation high

Possible grammar error found. Consider removing "the" from here.

Typographical

in my opinon it is justified for a company...

This sentence does not start with an uppercase letter

Automata



75 / 100

[Code Replay](#)

Question 1 (Language: C)

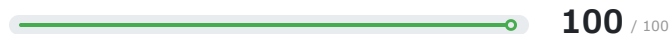
High similarity detected : 97%

An e-commerce company is planning to give a special discount on all its products to its customers for the holiday. The company possesses data on its stock of N product types. The data for each product type represents the count of customers who have ordered the given product. If the data K is positive then the product has been ordered by K customers and is in stock. If the data K is negative then the product has been ordered by K customers but is not in stock. The company will fulfill the order directly if the ordered product is in stock. If it is not in stock then the company will fulfill the order after they replenish the stock from the warehouse. They are planning to offer a discount amount A for each product. The discount value will be distributed to the customers who have purchased that selected product. The discount will be distributed only if the discount amount A can be divided by the number of orders for a particular product.

Write an algorithm for the sales team to find the number of products out of N for which the discount will be distributed.

Scores

Programming Ability



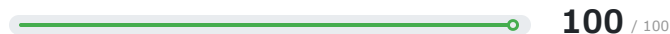
Completely correct. A correct implementation of the problem using the right control-structures and data dependencies.

Functional Correctness



Functionally correct source code. Passes all the test cases in the test suite for a given problem.

Programming Practices



High readability, high on program structure. The source code is readable and does not consist of any significant redundant/improper coding constructs.

Final Code Submitted

Compilation Status: Pass

```

1 //Header Files
2 #include<stdio.h>
3 #include<stdlib.h>
4 #include<string.h>
5 #include<stdbool.h>
6
7 /* only used in string related operations */
8 typedef struct String string;
9 struct String
10 {
11     char *str;
12 };
13
14 char *input(FILE *fp, int size, int has_space)
15 {
16     int actual_size = 0;
17     char *str = (char *)malloc(sizeof(char)*(size+actual_size));
18     char ch;
19     if(has_space == 1)
20     {
21         while(EOF != (ch=fgetc(fp)) && ch != '\n')
22         {
23             str[actual_size] = ch;
24             actual_size++;
25             if(actual_size >= size)
26             {
27                 str = realloc(str,sizeof(char)*actual_size);
28             }
29         }
30     }
31     else
32     {

```

Code Analysis

Average-case Time Complexity

Candidate code: $O(N)$

Best case code: $O(N)$

*N represents number of different types of products.

Errors/Warnings

There are no errors in the candidate's code.

Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

```

33 while(EOF != (ch=fgetc(fp)) && ch != '\n' && ch != ' ')
34 {
35     str[actual_size] = ch;
36     actual_size++;
37     if(actual_size >= size)
38     {
39         str = realloc(str,sizeof(char)*actual_size);
40     }
41 }
42 }
43 actual_size++;
44 str = realloc(str,sizeof(char)*actual_size);
45 str[actual_size-1] = '\0';
46 return str;
47 }
48 /* only used in string related operations */
49
50 typedef struct array_single_int array_single_int;
51 struct array_single_int
52 {
53     int *data;
54     int size;
55
56 };
57
58
59 /*
60 *
61 */
62 int noOfProducts(array_single_int order, int disAmount)
63 {
64     int answer=0;
65     for(int i=0;i<order.size;i++){
66 int customer=abs(order.data[i]);
67 if(customer>0 && disAmount%customer==0){
68     answer++;
69 }
70 }
71 return answer;
72 }
73
74 int main()
75 {
76     array_single_int order;
77     int disAmount;
78
79     //input for order
80     scanf("%d", &order.size);
81     order.data = (int *)malloc(sizeof(int) * order.size);
82     for ( int idx = 0; idx < order.size; idx++ )

```



```

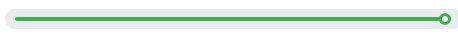
83 {
84     scanf("%d", &order.data[idx]);
85 }
86
87 //input for disAmount
88 scanf("%d", &disAmount);
89
90
91 int result = noOfProducts(order, disAmount);
92 printf("%d", result);
93 free (order.data);
94
95 return 0;
96 }
97

```

Test Case Execution

Passed TC: 100%

Total score

 11/11

100%

Basic(6/6)

100%

Advance(2/2)

100%

Edge(3/3)

Compilation Statistics

4

Total attempts

4

Successful

0

Compilation errors

0

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:08:43

Average time taken between two compile attempts:

00:02:11

Average test case pass percentage per compile:

25%

Similarity Detected

Every response is checked against:

- The responses of peers who took this assessment in the same event
- All candidate responses submitted in the last week
- Content currently available on the web

This response has a high degree of similarity to one of these sources, which means it is possibly not the candidate's original work:

| Candidate Response | | Peer's Response | |
|--------------------|------------|-----------------|------------|
| 52 | { | 52 | { |
| 53 | int *data; | 53 | int *data; |

```

54 int size;
55
56 };
57
58
...
62 int noOfProducts(array_single_int order, int
disAmount)
63 {
64 int answer=0;
65
66 for(int i=0;i<order.size;i++){
67 int customer=abs(order.data[i]);
68 if(customer>0 && disAmount%customer==0){
69 answer++;
70 }
71
72 return answer;
73 }
74
...
90
91 int result = noOfProducts(order, disAmount);
92 printf("%d", result);
93 free (order.data);
94
95 return 0;

```

```

54 int size;
55
56 };
57
58
...
61 int noOfProducts(array_single_int order, int
disAmount)
62 {
63 int answer=0;
64 // Write your code here
65
66 for(int i=0;i<order.size;i++){
67 int k=order.data[i];
68 if(k>0 && (disAmount%k==0)){
69 answer++;
70 }
71
72
73 return answer;
74 }
75
...
92
93 int result = noOfProducts(order, disAmount);
94 printf("%d", result);
95
96 return 0;

```

96 }

97 }

i Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

i Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 2 (Language: C++(G++9.3))

You are given a list of integers of size N. Write an algorithm to sort the first K elements (from list[0] to list[K-1]) of the list in ascending order and the remaining (list[K] to list[N-1]) elements in descending order.

Scores

Programming Ability

40 / 100

Emerging basic structure. Appropriate keywords and tokens present, showing some understanding of a part of the problem.

Functional Correctness

20 / 100

The source code does not pass any basic test cases. It is either due to incorrect logic or runtime errors. Some advanced or edge cases may randomly pass.

Programming Practices

100 / 100

High readability, high on program structure. The source code is readable and does not consist of any significant redundant/improper coding constructs.

Final Code Submitted

Compilation Status: Pass

```
1 // Header Files
2 #include<iostream>
```

Code Analysis

Average-case Time Complexity

```

3 #include<string>
4 #include<vector>
5 using namespace std;
6
7
8 /*
9 *
10 */
11 vector<int> funcSort (vector<int> inputList, int num)
12 {
13     vector<int> answer=inputList;
14     for(int i=0;i<num-1;i++){
15         for(int j=i+1;j<num;j++){
16             if(answer[i]>answer[j]){
17                 int temp=answer[i];
18                 answer[i]=answer[j];
19                 answer[j]=temp;
20             }
21         }
22     }
23 }
24 return answer;
25 }
26
27 int main()
28 {
29
30     //input for inputList
31     int inputList_size;
32     cin >> inputList_size;
33     vector<int> inputList;
34     for ( int idx = 0; idx < inputList_size; idx++ )
35     {
36         int temp;
37         cin >> temp;
38         inputList.push_back(temp);
39     }
40     //input for num
41     int num;
42     cin >> num;
43
44
45     //output
46     vector<int> result = funcSort(inputList, num);
47     for ( int idx = 0; idx < result.size() - 1; idx++ )
48     {
49         cout << result[idx] << " ";
50     }
51     cout << result[result.size() - 1];
52

```

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code: $O(N \log N)$

*N represents number of elements in the input list

Errors/Warnings

There are no errors in the candidate's code.

Structural Vulnerabilities and Errors

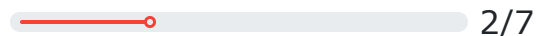
There are no errors in the candidate's code.

```
53 return 0;
54 }
55
```

Test Case Execution

Passed TC: 28.57%

Total score



0%

Basic(0/5)

100%

Advance(1/1)

100%

Edge(1/1)

Compilation Statistics

16

Total attempts

15

Successful

1

Compilation errors

0

Sample failed

0

Timed out

5

Runtime errors

Response time:

00:25:30

Average time taken between two compile attempts:

00:01:36

Average test case pass percentage per compile:

13.39%

Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Automata Fix



43 / 100

[Code Replay](#)

Question 1 (Language: C++)

You are given a predefined structure Point and also a collection of related functions/methods that can be used to

perform some basic operations on the structure.

You must implement the function/method *isTriangle* which accepts three points *P1*, *P2*, *P3* as inputs and checks whether the given three points form a triangle.

If they form a triangle, the function/method returns an integer 1. Otherwise, it returns an integer 0.

.

Helper Description

The following class is used to represent point and is already implemented in the default code (Do not write these definitions again in your code):

```
class Point
{
    private:
        int X;
        int Y;

        double Point_calculateDistance(Point *point1, Point *point2)
        {
            /*Return the euclidean distance between two input points.
            This can be called as -
            * If P1 and P2 are two points then -
            * P1->Point_calculateDistance(P2);*/
        }
}
```

Scores

Final Code Submitted

Compilation Status: Fail

```
1 // You can print the values to stdout for debugging
2 using namespace std;
3 int isTriangle(Point *P1, Point *P2, Point *P3)
4 {
5     // write your code here
6     int area=P1->x*(P2->y-P3->y)+P2->x*(P3->y-P1->y)+P3->y*(P1->y-
    P2->y);
7     if(area==0){
```

Code Analysis

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

```

8     return 0;
9 }
10 else{
11     return 1;
12 }
13 }

```

*N represents

Errors/Warnings

In file included from main_25.cpp:8:
source_25.cpp: In function 'int isTriangle(Point*, Point*, Point*)':
source_25.cpp:6:18: error: 'class Point' has no member named 'x'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:25: error: 'class Point' has no member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:31: error: 'class Point' has no member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:38: error: 'int Point::X' is private within this context
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
In file included from main_25.cpp:7:
ds_debugging_23.cpp:6:10: note: declared private here
int X;
^
In file included from main_25.cpp:8:
source_25.cpp:6:38: note: field 'int Point::X' can be accessed via 'int Point::Point_Return_X()'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
Point_Return_X()
source_25.cpp:6:45: error: 'class Point' has no member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:51: error: 'class Point' has no member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:58: error: 'class Point' has no member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^
source_25.cpp:6:65: error: 'class Point' has no

```

member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^

source_25.cpp:6:71: error: 'class Point' has no
member named 'y'
int area=P1->x*(P2->y-P3->y)+P2->X*(P3->y-P1->y)+P3->y*(P1->y-P2->y);
^

```

Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

Compilation Statistics

1

Total attempts

0

Successful

1

Compilation errors

0

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:05:20

Average time taken between two compile attempts:

00:05:20

Average test case pass percentage per compile:

0%

i Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

i Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 2 (Language: C++)

The function/method ***allExponent*** returns a real number representing the result of exponentiation of base raised to power exponent for all input values. The function/method ***allExponent*** accepts two arguments - *baseValue*, an integer

representing the base and *exponentValue*, an integer representing the exponent.

The incomplete code in the function/method ***allExponent*** works only for positive values of the exponent. You must complete the code and make it work for negative values of exponent as well.

Another function/method ***positiveExponent*** uses an efficient way for exponentiation but accepts only positive *exponent* values. You are supposed to use this function/method to complete the code in ***allExponent*** function/method.

Helper Description

The following function is used to represent a *positiveExponent* and is already implemented in the default code (Do not write this definition again in your code):

```
int positiveExponent(int baseValue, int exponentValue)
{
    /*It calculates the Exponent for the positive value of exponentValue

    This can be called as -

    int res = (float)positiveExponent(baseValue, exponentValue);*/
}
```

Scores

| Final Code Submitted | Compilation Status: Pass | Code Analysis |
|---|--------------------------|--|
| <pre> 1 // You can print the values to stdout for debugging 2 using namespace std; 3 float allExponent(int baseValue, int exponentValue) 4 { 5 float res = 1; 6 if(exponentValue >=0) 7 { 8 res = (float)positiveExponent(baseValue, exponentValue); 9 } 10 else 11 { 12 // write your code here for negative exponentInput 13 res=1.0/(float)positiveExponent(baseValue,-exponentValue); 14 } 15 return res; 16 } 17 18</pre> | | Average-case Time Complexity |
| | | <p>Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.</p> <p>Best case code:</p> <p>*N represents</p> |
| | | Errors/Warnings |
| | | There are no errors in the candidate's code. |
| | | Structural Vulnerabilites and Errors |
| | | There are no errors in the candidate's code. |

Test Case Execution

Passed TC: 100%

Total score

6/6

100%

Basic(2/2)

100%

Advance(3/3)

100%

Edge(1/1)

Compilation Statistics

1

Total attempts

1

Successful

0

Compilation errors

0

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:01:34

Average time taken between two compile attempts:

00:01:34

Average test case pass percentage per compile:

100%

i

Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

i

Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 3 (Language: C++)

The function/method ***selectionSortArray*** performs an in-place selection sort on the given input list which will be sorted in ascending order.

The function/method ***selectionSortArray*** accepts two arguments - *len*, an integer representing the length of the input list and *arr*, a list of integers representing the input list, respectively.

The function/method ***selectionSortArray*** compiles successfully but fails to get the desired result for some test cases due to logical errors. Your task is to fix the code so that it passes all the test cases.

Note:

In this particular implementation of selection sort, the smallest element in the list is swapped with the element at first index, the next smallest element is swapped with the element at the next index and so on.

Scores

Final Code Submitted

Compilation Status: Pass

```
1 // You can print the values to stdout for debugging
2 void selectionSortArray(int len, int* arr){
3     for(int x=0; x<len-1; x++){
4         int index_of_min = x;
5         for(int y=x+1; y<len; y++){
6             if(arr[y]<arr[index_of_min]){
7                 index_of_min = y;
8             }
9         }
10        int temp = arr[x];
11        arr[x] = arr[index_of_min];
12        arr[index_of_min] = temp;
13    }
14 }
```

Code Analysis

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

*N represents

Errors/Warnings

There are no errors in the candidate's code.

Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

Test Case Execution

Passed TC: 100%

Total score

9/9

100%

Basic(4/4)

100%

Advance(5/5)

0%

Edge(0/0)

Compilation Statistics

6

Total attempts

6

Successful

0

Compilation errors

5

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:02:46

Average time taken between two compile attempts:

00:00:28

Average test case pass percentage per compile:

25.9%

Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 4 (Language: C++)

The function/method **matrixSum** returns an integer representing the sum of elements of the input matrix. The function/method **matrixSum** accepts three arguments - *rows*, an integer representing the number of rows of the input matrix, *columns*, an integer representing the number of columns of the input matrix and *matrix*, a two-dimensional array representing the input matrix.

The function/method **matrixSum** compiles unsuccessfully due to syntactical error. Your task is to debug the program so that it passes all test cases.

Scores

Final Code Submitted

Compilation Status: Pass

```
1 // You can print the values to stdout for debugging
2 using namespace std;
3 int matrixSum(int rows, int columns, int **matrix)
4 {
5     int sum=0;
6     for(int i=0;i<rows;i++)
7     {
8         for(int j=0;j<columns;j++)
9             sum += matrix[i][j];
10    }
11    return sum;
12 }
```

Code Analysis

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

*N represents

Errors/Warnings

There are no errors in the candidate's code.

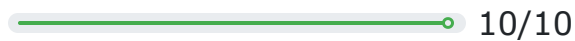
Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

Test Case Execution

Passed TC: 100%

Total score



100%

Basic(6/6)

100%

Advance(4/4)

0%

Edge(0/0)

Compilation Statistics

1

Total attempts

1

Successful

0

Compilation errors

0

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:02:02

Average time taken between two compile attempts:

00:02:02

Average test case pass percentage per compile:

100%

i Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

i Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 5 (Language: C++)

The function/method *patternPrint* accepts an argument *num*, an integer.
The function/method *patternPrint* prints *num* lines in the following pattern.

For example, *num* = 4, the pattern should be:

```
1
1 1
1 1 1
1 1 1 1
```

The function/method ***patternPrint*** compiles successfully but fails to print the desired result for some test cases due to incorrect implementation of the function/method. Your task is to fix the code so that it passes all the test cases.

Scores

Final Code Submitted

Compilation Status: Pass

```
1 // You can print the values to stdout for debugging
2 #include <iostream>
3 using namespace std;
4 void patternPrint(int num)
5 {
6     int print=1;
7     for(int i=0;i<num;i++)
8     {
9         for(int j=0;j<=i;j++);
10    {
11        cout<<print;
12        print++;
13    }
14    cout<<"\n";
15 }
16 }
17
```

Code Analysis

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

*N represents

Errors/Warnings

There are no errors in the candidate's code.

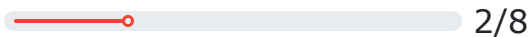
Structural Vulnerabilites and Errors

There are no errors in the candidate's code.

Test Case Execution

Passed TC: 25%

Total score



14%
Basic(1/7)

0%
Advance(0/0)

100%
Edge(1/1)

Compilation Statistics

2

Total attempts

2

Successful

0

Compilation errors

2

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:02:53

Average time taken between two compile attempts:

00:01:27

Average test case pass percentage per compile:

12.5%

i Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

i Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 6 (Language: C++)

The function/method ***descendingSortArray*** performs an in-place sort on the given input list which will be sorted in descending order.

The function/method ***descendingSortArray*** accepts two arguments - *len*, an integer representing the length of the input list and *arr*, a list of integers representing the input list, respectively.

5

The function/method ***descendingSortArray*** compiles successfully but fails to get the desired result for some test cases due to logical errors. Your task is to fix the code so that it passes all the test cases.

Scores

Final Code Submitted

Compilation Status: Fail

Code Analysis

1 // You can print the values to stdout for debugging

```
2 #include<iostream>
3 using namespace std;
4 void descendingSortArray( int* arr)
5 {
6     int temp=0;
7     int len=arr.size;
8     for(int i=0; i<=len-1;i++)
9     {
10         for(int j=len-1; j<=0;j++)
11         {
12
13             if(arr[i]>arr[j])
14             {
15                 temp=arr[i];
16                 arr[i]=arr[j];
17                 arr[j]=temp;
18             }
19         }
20     }
21 }
```

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

*N represents

Errors/Warnings

In file included from main_10.cpp:5:
source_10.cpp: In function 'void descendingSortArray(int*)':
source_10.cpp:7:17: error: request for member 'size' in 'arr', which is of non-class type 'int*'
int len=arr.size;
^~~~
main_10.cpp: In function 'int main(int, const char**)':
main_10.cpp:18:29: error: invalid conversion from 'int' to 'int*' [-fpermissive]
descendingSortArray(n, arr);
^
main_10.cpp:18:35: error: too many arguments to function 'void descendingSortArray(int*)'
descendingSortArray(n, arr);
^
In file included from main_10.cpp:5:
source_10.cpp:4:6: note: declared here
void descendingSortArray(int* arr)
^~~~~~

Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

Compilation Statistics

6

Total attempts

1

Successful

5

Compilation errors

1

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:03:51

Average time taken between two compile attempts:

00:00:39

Average test case pass percentage per compile:

10%

Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

Question 7 (Language: C++)

Lisa always forgets her birthday which is on the 5th of July. So, develop a function/method which will be helpful to remember her birthday.

The function/method **checkBirthDay** return an integer '1' if it is her birthday else returns 0. The function/method **checkBirthDay** accepts two arguments - *month*, a string representing the month of her birthday and *day*, an integer representing the date of her birthday.

The function/method **checkBirthDay** compiles successfully but fails to return the desired result for some test cases. Your task is to fix the code so that it passes all the test cases.

Scores

Final Code Submitted

Compilation Status: Pass

```
1 // You can print the values to stdout for debugging
2 #include<string.h>
3 using namespace std;
4 int checkBirthDay(char* month, int day)
5 {
6     if((strcmp(month,"July")) || (day==5))
7         return 1;
8     else
9         return 0;
10 }
11
```

Code Analysis

Average-case Time Complexity

Candidate code: Complexity is reported only when the code is correct and it passes all the basic and advanced test cases.

Best case code:

*N represents

Errors/Warnings

There are no errors in the candidate's code.

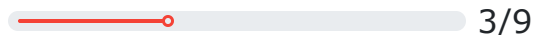
Structural Vulnerabilities and Errors

There are no errors in the candidate's code.

Test Case Execution

Passed TC: **33.33%**

Total score



0%

Basic(0/6)

100%

Advance(3/3)

0%

Edge(0/0)

Compilation Statistics

0

Total attempts

0

Successful

0

Compilation errors

1

Sample failed

0

Timed out

0

Runtime errors

Response time:

00:00:14

Average time taken between two compile attempts:

00:00:00

Average test case pass percentage per compile:

33.3%

Average-case Time Complexity

Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation. This is the complexity detected by empirically fitting a curve to the run-time for different input sizes to the given code. It has been benchmarked across problems.

Test Case Execution

There are three types of test-cases for every coding problem:

Basic: The basic test-cases demonstrate the primary logic of the problem. They include the most common and obvious cases that an average candidate would consider while coding. They do not include those cases that need extra checks to be placed in the logic.

Advanced: The advanced test-cases contain pathological input conditions that would attempt to break the codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.

Edge: The edge test-cases specifically confirm whether the code runs successfully even under extreme conditions of the domain of inputs and that all possible cases are covered by the code

4 | Learning Resources

English Comprehension

[Improve your vocabulary of terms used in business](#)



[Improve your knowledge of Business English](#)



[Improve your hold on the language by reading Shakespearan plays](#)



Logical Ability

[Practice your Inductive Reasoning Skills!](#)



[Take a course on advanced logic](#)



[Test your deduction skills!](#)



Quantitative Ability (Advanced)

[Learn about the application of Bayes' Theorem in varied fields](#)



[Learn about Fermet's last theorem](#)



[Learn about the principles of statistics](#)



Icon Index



Free Tutorial



Paid Tutorial



Youtube Video



Web Source



Wikipedia



Text Tutorial



Video Tutorial



Google Playstore