



# Sample Report (Example)

Luis Bane

**Start date:** 2019-09-21 12:47:55 **Finish date:** 2019-09-21 13:35:24

**Total Score:**

67/100

**Result:**

The applicant seems to have good programming skills and is able to take programming tasks of any complexity, although it may take him longer or may have more problems with high complexity programming tasks than someone rated as having very high programming skills.



High Programming Skills

**Total time:** 47 Minutes 29 Seconds

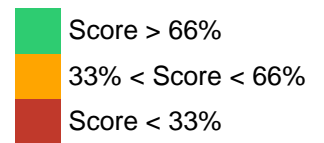
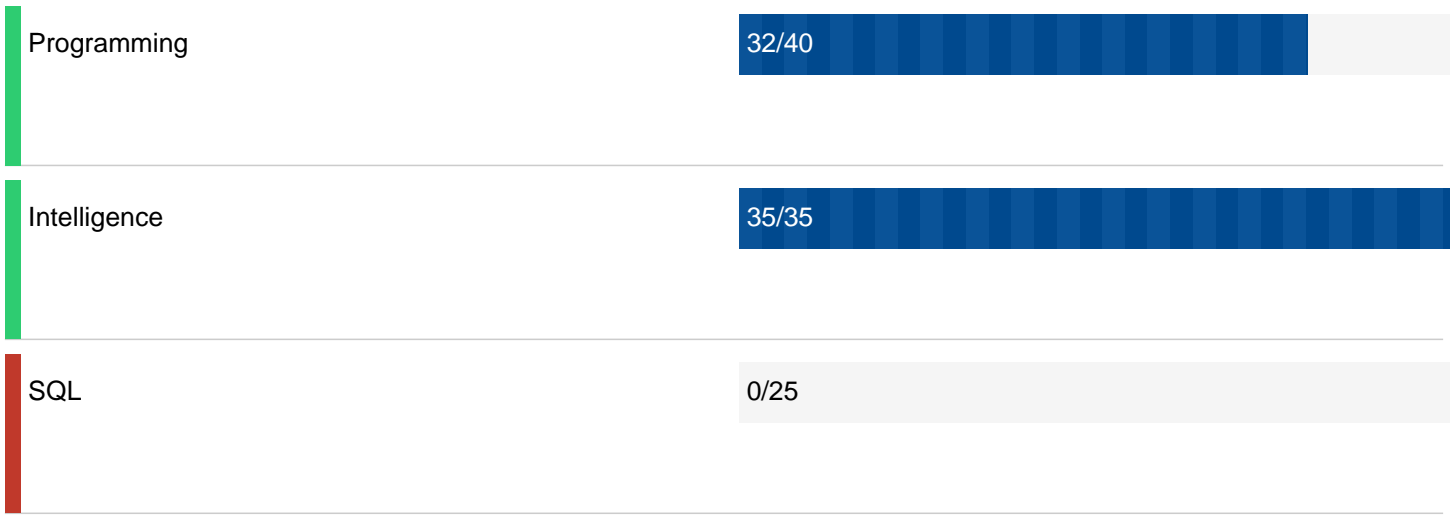
**Percentile:** 87%

**Time on test page:** 96%

Candidate info	Test info	Instance info
<p><b>ID:</b> 26</p> <p><b>Name:</b> Luis Gomez</p> <p><b>Notes:</b> -</p> <p><b>Registered:</b> 2016-10-10</p> <p><b>Email:</b> luisbane@myemail.gh</p>	<p><b>Name/ID:</b> Programming Test + SQL + IQ / 236</p> <p><b>Description</b> This test combines logical reasoning questions with a question about algorithms and another about SQL. It allows you to evaluate both the current programming skills of the candidate, as well as their potential, given their capacity for logical reasoning. Since this programming test uses pseudo-code it does not have a bias related to the knowledge of a specific language.</p> <p>As this test is very general, it is applicable to different profiles. It is recommended as a first filter for any developer profile, especially when the capacity and potential are more important than the knowledge and management of a particular language.</p> <p><b>Difficulty Level:</b> <b>Medium</b></p>	<p><b>Deadline:</b> -</p> <p><b>Time limit:</b> 60 minutes</p> <p><b>Type:</b> TST</p> <p><b>Process:</b> ver</p> <p><b>Web Monitoring:</b> No</p>





## Summary per Category

Description	Score (value)
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## Questions Summary

Description	Category	Difficulty Level	Score
1.- Number Series	IQ	Easy	5 of 5
2.- Number series	IQ	Medium	10 of 10
3.- Number Series (Pattern)	IQ	Medium	10 of 10
4.- Logical reasoning with image pattern	IQ	Medium	10 of 10
5.- Create Histogram based on Array	PROG	Medium	32 of 40
<b>Validation Scenarios:</b>	100 %		
<b>Code Efficiency Score:</b>	0%		
6.- SQL query with order by, group by	SQL	Medium	0 of 25
<b>Validation Scenarios:</b>	0 %		

	Not Answered
	Partially Correct
	Wrong
	Correct

# Details per Question

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## 1.- Number Series

<b>Type:</b>	<b>Category</b>	<b>Score</b>
Text question with single choice text answer	IQ	5 of 5

<b>Difficulty Level</b>	<b>Family:</b>	<b>Subfamily:</b>
Easy	Intelligence and Aptitude	Logical Reasoning

### Question Text

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What number continues the series: 4, 10, 22, 46, ...

### Answer:

- 92
- 94 Correct
- 104
- 58
- 68

## 2.- Number series

<b>Type:</b>	<b>Category</b>	<b>Score</b>
Text question with single choice text answer	IQ	10 of 10

<b>Difficulty Level</b>	<b>Family:</b>	<b>Subfamily:</b>
Medium	Intelligence and Aptitude	Logical Reasoning

### Question Text

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What number continues the series: 3968, 63, 8, 3, ...

### Answer:

- 2
- 1
- 0
- 1
- 2 Correct

## 3.- Number Series (Pattern)

<b>Type:</b>	<b>Category</b>	<b>Score</b>
Text question with single choice text answer	IQ	10 of 10

**Difficulty Level**

Medium

**Family:**

Intelligence and Aptitude

**Subfamily:**

Logical Reasoning

**Question Text**

What number continues the series: 24, 46, 68, 810, 1012, ...

**Answer:**

- 12140  
 1214 Correct  
 1236  
 1216  
 1416

**4.- Logical reasoning with image pattern****Type:**

Image question with single choice text answer

**Category**

IQ

**Score**

10 of 10

**Difficulty Level**

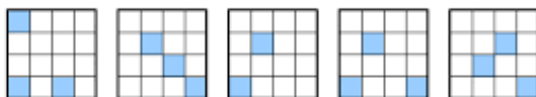
Medium

**Family:**

Intelligence and Aptitude

**Subfamily:**

Logical Reasoning

**Question Text :**

A B C D E

**Answer:**

- a  
 b  
 c  
 d Correct  
 e

**5.- Create Histogram based on Array****Type:**

Programming Question with predefined code

**Category**

PROG

**Score**

32 of 40

**Difficulty Level**

Medium

**Family:**

Programación

**Subfamily:**

Programación General

## Question Text

Using TLang, write the code to create a histogram (a chart indicating the number of occurrences for each number in the array). TLang is a simple language with just a few instructions, you can see the syntax by clicking on the "i" button in the upper right corner. For the array provided the result should look like this:

```
1: *****
2: **
3: **
4:
5: *
```

The code for the array and the size of n is already there, you can edit it to test other values and you can click on the refresh button next to it to return it to its original value that is used to validate your code during the test. Note your code needs to print results exactly as shown in order to being marked as valid (Even a missing space, like the space between the ":" and the first asterisk would mark the question as invalid)

## Answer:

```
uno:=""
dos:=""
tres:=""
cuatro:=""
cinco:=""
for a:=1 to 10
  if myArray[a]= 1 then
    uno:= uno + '*'
  endif
  if myArray[a]= 2 then
    dos:= dos+ '*'
  endif
  if myArray[a]= 3 then
    tres:= tres+ '*'
  endif
  if myArray[a]= 4 then
    cuatro:= cuatro+ '*'
  endif
  if myArray[a]= 5 then
    cinco:= cinco+ '*'
  endif
next

println '1: ' + uno
println '2: ' + dos
println '3: ' + tres
println '4: ' + cuatro
println '5: ' + cinco
```

## Validation Scenarios

Description	Status
Extreme Case	Correct
Basic Scenario	Correct
Basic Scenario	Correct
Aproximate Answer	Correct

### 6.- SQL query with order by, group by

Type:	Category	Score
Programming Question without predefined code	SQL	0 of 25

Difficulty Level	Family:	Subfamily:
Medium	Programming	SQL

#### Question Text

Using an SQL query, obtain the list of departments that have 2 or more employees. List the name of the department (department\_name field) and the number of employees ordered by the department name and ascending.

Tables:

APPX\_employee (id, firstname, lastname, department\_id, salary, educationlevel\_id)

APPX\_department (id, department\_name, department\_city)

APPX\_educationlevel (id, description)

#### Answer:

```
select d.description
from
(select count(id) cant, department_id
from APPX_employee
group by department_id) a,
APPX_department d
where a.cant > 1
and a.department_id = d.id
order by 1;
```

## Validation Scenarios

Description	Status
Group by and Having	Wrong