

g-

exam

**exam for Typst**

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**Version 0.3.0**

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# 1 Introduction

This template provides a way to generate exams. You can create questions and sub-questions, header with information about the academic center, score box, subject, exam, header with student information, clarifications, solutions, watermark with information about the exam model and teacher.

## 2 Usage

This is the minimal starting point:

```
#import "@preview/g-exam:0.3.0": *
#show: g-exam.with()

#g-question(point: 2)[Question 1]

#g-question(point: 1)[Question 2]
```

## 3 Exam

```
/// User g-exam template
#show: g-exam.with()
```

### 3.1.1 g-exam

Template for creating an exam.

- autor: Information of autor of exam.
  - name (string, content): Name of author of exam.
  - email (string): e-mail of author of exam.
  - watermark (string): Watermark with information about the author of the document.
- scholl: Information of scholl.
  - name (string, content): Name of the school or institution generating the exam.
  - logo (none, content, bytes): Logo of the school or institution generating the exam.

### Parameters

```
g-exam(
  author,
  school,
  exam-info,
  localization,
  date: sting,
  keywords: string,
  language: en es de fr pt it,
  clarifications: string content array,
  question-text-parameters,
  show-studen-data,
  show-grade-table,
  decimal-separator,
  question-point-position,
  show-solution,
  body
)
```

**date** sting

Date of generate document.

Default: none

**keywords** `string`

keywords of document.

Default: `none`**lenguaje** `en` or `es` or `de` or `fr` or `pt` or `it`

Lenguaje of docuemnt. English, Spanish, German, Portuguese and Italian are defined. Ejemplo buy bonito:

Default: `"en"`**clarifications** `string` or `content` or `array`

Clarifications of exam. It will appear in a box on the first page.

- question-text-parameters: Parameter of text in question and subquestion. For example, it allows us to change the text size of the questions.
- show-studen-data(`none`, `true`, `false`, "first-page", "odd-pages"): It shows a box for the student to enter their details. It can appear on the first page or on all odd-numbered pages.
- show-grade-table: (`bool`): Show grade table.
- decimal-separator: ("`.`", "`,`"): Indicates the decimal separation character.
- question-point-position: (`left`, `right`): Position of question point.
- show-solution: (`true`, `false`): It shows the solutions to the questions.

Default: `none`

## 4 Commands

The g-exam library has the g-question, g-subquestion, g-solution and g-clarification commands to create questions, subquestions, solutions, and clarifications.

### 4.1 Questions and subquestions

#### 4.1.1 g-question

Show a question.

**Example:**

```
#g-question(point:2)[This is a question]
```

**Parameters**

```
g-question(
  point: none float,
  point-position,
  body: string content
)
```

**point** `none` or `float`

Points of the question.

- point-position(`none`, left, right): Position of points. If none, use the position defined in G-Exam.

Default: `none`

**body** `string` or `content`

Body of question.

#### 4.1.2 g-subquestion

Show a sub-question.

**Example:**

```
#g-subquestion(point:2)[This is a sub-question]
```

**Parameters**

```
g-subquestion(
  point: none float,
  point-position,
  body: string content
)
```

**point** `none` or `float`

Points of the sub-question.

- point-position(`none`, left, right): Position of points. If none, use the position defined in G-Exam.

Default: `none`

**body** `string` or `content`

Body of sub-question.

## 4.2 Solutions

### 4.2.1 g-solution

Show solution of question.

**Example:**

```
#g-solution(
  alternative-content: v(1fr)
)[
  I know the demonstration, but there's no room on the margin. For any clarification ask
```

Andrew Whilst.  
]

### Parameters

```
g-solution(
  alternative-content: string content,
  body: string content
)
```

**alternative-content**    string or content

Alternate content when the question solution is not displayed.

Default: none

**body**    string or content

Body of question solution

## 4.3 Clarifications

### 4.3.1 g-clarification

Show a clarification.

- size(length): Size of clarification.
- body(string, content): Body of clarification.

### Parameters

```
g-clarification(
  size,
  body
)
```