

g-

exam

exam template 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 minimum model for generating an exam, in which you define the g-exam template and the questions and subquestions with the g-question and g-subquestion commands.

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

#g-question(point: 2)[List prime numbers]
#v(1fr)

#g-question(point: 1)[Complete the following sentences]
#g-subquestion[Don Quixote was written by ...]
#v(1fr)

#g-subquestion[The name of the continent we live on is ...]
#v(1fr)
```

3 Header

```
#show: g-exam.with(
  author: (
    name: "Andrés Jorge Giménez Muñoz",
    email: "matheschool@outlook.es",
    watermark: "Teacher: andres", ),
  school: (
    name: "Sunrise Secondary School",
    logo: read("./logo.png", encoding: none),
  ),
  exam-info: (
    academic-period: "Academic year 2023/2024",
    academic-level: "1st Secondary Education",
    academic-subject: "Mathematics",
    number: "2nd Assessment 1st Exam",
    content: "Radicals and fractions",
    model: "Model A"
  ),
),
```

4 Information in the document's metadata

If a pdf document is generated, the information will be saved in the document. Such as the author's name, e-mail, watermark, exam information, ...

```
#show: g-exam.with(
  author: (
    name: "Andrés Jorge Giménez Muñoz",
    email: "matheschool@outlook.es",
    watermark: "Teacher: andres", ),
  school: (
    name: "Sunrise Secondary School",
    logo: read("./logo.png", encoding: none),
  ),
),
```

```

exam-info: (
  academic-period: "Academic year 2023/2024",
  academic-level: "1st Secondary Education",
  academic-subject: "Mathematics",
  number: "2nd Assessment 1st Exam",
  content: "Radicals and fractions",
  model: "Model A"
),

```

This information can be consulted in the properties of the pdf document.

5 Commands

5.1 Exam

```

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

```

5.1.1 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.
- **exam-info:** Information of exam
 - **academic-period**(none, content, str): academic period.
 - **academic-level**(none, content, str): acadmic level.
 - **academic-subject**(none, content, str): acadmic subname,
 - **number**(none, content, str): Number of exam.
 - **content**(none, content, str): Conten of exam.
 - **model**(none, content, str): Model of exam.

Parameters

```

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

```

lenguaje en or es or de or fr or pt or it

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

Default: "en"

date sting

Date of generate document.

Default: none

keywords string

keywords of document.

Default: none

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: (none, left, right): Position of question point.
- show-solution: (true, false): It shows the solutions to the questions.

Default: none

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

5.2 Questions and subquestions

5.2.1 g-question

Show a question.

Example:

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

Parameters

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

point none or float

Points of the question.

Default: none

point-position none or left or right

Position of points. If none, use the position defined in G-Exam.

Default: none

body string or content

Body of question.

5.2.2 g-subquestion

Show a sub-question.

Example:

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

Parameters

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

point none or float

Points of the sub-question.

Default: none

point-position none or left or right

Position of points. If none, use the position defined in G-Exam.

Default: none

body `string` or `content`

Body of sub-question.

5.3 Solutions

5.3.1 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

5.4 Clarifications

5.4.1 g-clarification

Show a clarification.

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

Parameters

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