

Question Frame Manual

Fr4nk1in

1. The question function

```
let question(  
  heading-counter: false,  
  number: auto,  
  display-number: none,  
  display-desc: none,  
  display-frame: none,  
  desc,  
) = content
```

- heading-counter: boolean
Whether to show heading counter or not.
- number: `auto` | int | str | content
Question number, defaults to `auto`.
 - If `auto`, it would be the number of the questions (whose number are `auto`) up to this point.
 - Both `auto` and int works with heading-counter, while str and content do not and fail the compilation.
 - Both `auto` and int are treated as the `..numbers` in the `display-number` function. str and content are treated as the override.
- display-number: (override: str | content, `..numbers`: int) => content
How to display the question number.
- display-desc: (content) => content
How to display the question description
- display-frame: (content) => content
How to display the question frame

To enable the heading counter argument heading-counter, you need to set the heading numbering rule first. For example:

```
#set heading(numbering: "1.")
```

2. Presets and Examples

We also provide two presets for the question function: simple-question and complex-question.

2.1. The simple-question preset

`simple-question`[Default Configuration]

```
simple-question(  
  number: 1024,  
) [Custom Numbering]
```

```
simple-question(  
  number: "Number."  
) [Custom Numbering]
```

1. Default Configuration

1024. Custom Integer Numbering

Number. Custom Numbering

```
simple-question(
  number: $gamma$
)[Custom Numbering]
```

γ Custom Numbering

```
simple-question[
  Second Default Configuration
]
```

2. Second Default Configuration

```
simple-question(
  heading-counter: true
)[With Heading Counter]
```

2.1.3. With Heading Counter

```
simple-question(
  heading-counter: true,
  number: 1024,
)[Custom Numbering]
```

2.1.1024. Custom Integer Numbering

Works with heading-counter

```
simple-question(
  display-number: (
    override: none,
    ..numbers,
  ) => {
    strong(numbering("I.", ..numbers))
  },
)[Custom Numbering Rule],
```

IV. Custom Numbering Rule

```
simple-question(
  heading-counter: true,
  display-number: (
    override: none,
    ..numbers,
  ) => {
    strong(numbering("I.", ..numbers))
  },
)[Custom Numbering Rule],
```

II.IV. Custom Numbering Rule

```
simple-question(
  heading-counter: true,
  number: 1024,
  display-number: (
    override: none,
    ..numbers,
  ) => {
    strong(numbering("I.", ..numbers))
  },
)[Custom Integer Numbering]
```

II.I.MXXIV. Custom Integer Numbering

Works with display-number

```
simple-question(
  display-desc: it => strong(emph(it))
)[Custom Description Style],
```

6. Custom Description Style

```
simple-question(
  display-frame: it => {
    it
    v(-0.9em)
    line(length: 100%, stroke: red)
    v(-0.6em)
  },
)[Custom Frame Style],
```

7. Custom Frame Style

2.2. The complex-question preset

8. Default Configuration

```
complex-question[Default Configuration]
```

1024. Custom Integer Numbering

```
complex-question(number: 1024)[Custom Integer Numbering]
```

Number. Custom Numbering

```
complex-question(number: "Number.")[Custom Numbering]
```

γ Custom Numbering

```
complex-question(number:  $\gamma$ )[Custom Numbering]
```

9. Second Default Configuration

```
complex-question[Second Default Configuration]
```

2.2.10. With Heading Counter

```
complex-question(heading-counter: true)[With Heading Counter]
```

2.2.1024. Custom Integer Numbering with Heading

```
complex-question(heading-counter: true, number: 1024)[Custom Integer Numbering]
```

XI. Custom Numbering Rule

```
complex-question(
  display-number: (override: none, ..numbers) => {
    strong(numbering("I.", ..numbers))
  },
)[Custom Numbering Rule]
```

II.II.XII. Custom Numbering Rule with Heading

```
complex-question(  
  heading-counter: true,  
  display-number: (override: none, ..numbers) => {  
    strong(numbering("I.", ..numbers))  
  },  
)[Custom Numbering Rule with Heading]
```

II.II.MXXIV. Custom Integer Numbering with Custom Numbering Rule

```
complex-question(  
  heading-counter: true,  
  number: 1024,  
  display-number: (override: none, ..numbers) => {  
    strong(numbering("I.", ..numbers))  
  },  
)[Custom Integer Numbering with Custom Numbering Rule]
```

13. Custom Description Style

```
complex-question(display-desc: emph)[Custom Description Style]
```

14. Custom Frame Style

```
complex-question(  
  display-frame: rect.with(width: 100%, radius: 5pt, stroke: red),  
)[Custom Frame Style]
```