

The **Examcard** class

March 22, 2013

Commands and Environments

`\begin{card}`

`<...>`

`\end{card}`

`\setcardwidth{<width>}`

`\setcardheight{<height>}`

`\cardhead{<number>}`

`\quest[<class>]{<number>}{<question>}`

`\listgen`

`\classlist{<class>}`

`card` environment generates a dashed box of a fixed size. The content of the card is described in the body of environment

Sets width of the card. If this command is not used anywhere in the document the width is set to 90mm by default.

Sets height of the card. If this command is not used anywhere in the document the height is set to 70mm by default.

Inserts header with a card number. Refer to Examples section for more details.

Produces question name with a number assigned to a specific class. `<class>` is an option and may be left empty.

Produces a list of all questions used in the document before it. The list is based on the information extracted from `\quest` command.

This command is similar to `\listgen`, but it displays only questions of a given class. Type `NoClass` as an argument to show questions which are not assigned to any class.

Examples

`\begin{card}`

`\cardhead{1}`

`\quest[Physics]{1}{Maxwell's Equations}\\`

`\quest[Physics]{2}{Lorentz transformation}\\`

`\quest[Physics]{3}{Poynting's theorem}\\`

`\end{card}`

Card 1

1. Maxwell's Equations
2. Lorentz transformation
3. Poynting's theorem

```
\begin{card}
\cardhead{2}
\quest{4}{Not}\\
\quest{5}{Assigned}\\
\quest{6}{Questions}\\
\end{card}
```

Mathematics example:

Graphics example:

Card 2

4. Not

5. Assigned

6. Questions

Card 3

7. Maxwell’s Equations (answer)

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Card 4

8. Circle

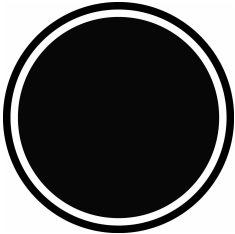


Table example:

Card 5

9. Numbers

1	2	3
4	5	6
7	8	9

Text example:

Card 6

10. Blindtext

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No header example:

11. No header

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Array of cards:

<div><div>Card 7</div><div>12. Lorem Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.</div></div>	<div><div>Card 8</div><div>13. Ipsum Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.</div></div>
<div><div>Card 9</div><div>14. Dolor Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.</div></div>	<div><div>Card 10</div><div>15. Sit Amet Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.</div></div>

There is no special environment or command for creating an array. Simply put the cards one after another. They will be placed automatically. It is recommended to insert double backslash `\\` in a code after each row in array to keep all cards on the list placed properly.

List of all questions (based on questions used in this manual):

`\\listgen`

1. Maxwell's Equations
2. Lorentz transformation
3. Poynting's theorem
4. Not
5. Assigned
6. Questions
7. Maxwell's Equations (answer)
8. Circle
9. Numbers
10. Blindtext

11. No header
12. Lorem
13. Ipsum
14. Dolor
15. Sit Amet

List of questions of **Physics** class:

`\classlist{Physics}`

1. Maxwell's Equations
2. Lorentz transformation
3. Poynting's theorem
7. Maxwell's Equations (answer)

List of questions that are not assigned to any class:

`\classlist{NoClass}`

4. Not
5. Assigned
6. Questions