
pytexexam

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PYTEXEXAM QUESTION.

```
class pytexexam.question.Question(question: str)
```

This class represents one question on the test.

```
answer_a(answer: str, true_answer=False)
```

This method is used to enter answer A for the question.

Parameters

- **answer** – Content of the answer A
- **true_answer** – If this is the correct answer then enter True, if false then enter

False.

```
answer_b(answer: str, true_answer=False)
```

This method is used to enter answer B to the question.

Parameters

- **answer** – Content of the answer B
- **true_answer** – If this is the correct answer then enter True, if false then enter

False.

```
answer_c(answer: str, true_answer=False)
```

This method is used to enter answer C to the question.

Parameters

- **answer** – Content of the answer C
- **true_answer** – If this is the correct answer then enter True, if false then enter

False.

```
answer_d(answer: str, true_answer=False)
```

This method is used to enter answer D for the question.

Parameters

- **answer** – Content of the answer D
- **true_answer** – If this is the correct answer then enter True, if false then enter

False.

```
answers(true_answer: str, answer_dict: Dict[str, str])
```

Another way to enter answers to questions.

Parameters

- **true_answer** – The letter that corresponds to the correct answer in the question (A, B, C, D)
- **answer_dict** – A dictionary contains the answers to the questions. The corresponding

key of this dictionary is A, B, C, D.

get_answer (*answer_number: int*) → str

This method is used to get answers to questions.

Parameters **answer_number** – The number corresponding to the answer of the question.

Specifically: want to get answer A then enter 1, B enter 2, C enter 3, and D enter 4. :return: The answer corresponds to the selected answer.

get_answer_column () → int

This method returns the number of columns where the answer will be presented when the question is printed. The function can return 1, 2, 4.

Returns The number of columns the answer will be displayed when the question is printed

get_true_answer () → str

This method returns the character corresponding to the correct answer of the question. The possible answer are A, B, C, D.

Returns The letter corresponding to the correct answer of the question

question = None

Content of the question.

set_answer_column (*answer_column: int*)

This method allows you to enter the number of columns where the answer will be displayed when printing the question. The possible values are 1, 2, 4

Parameters **answer_column** – The number of columns the answer will be displayed when printed.

shuffle_answer ()

The method that allows the swap answers in question.

solution (*solution: str*)

This method is used to enter detailed answer to the question

PYTEXEXAM EXAM

```
class pytexexam.exam.Exam(question_list: List[question.Question])
```

This class represents an exam.

```
question_list = None
```

List of questions in the exam

```
shuffle_question()
```

This method allows to shuffle all the questions in the exam.

PYTEXEXAM LATEXEXAM

```
class pytexexam.latexexam.LatexExam(exam_title: str, exam: exam.Exam)
```

This class represents a exam, allowing users to print the exam and answer to a tex file or pdf (with latex pre-installed)

```
    add_ams_math_preamble ()
```

Add math packages to latex preamble.

```
    add_preamble (preamble: str)
```

This method allows adding the necessary lines in the preamble of the latex file, eg usepackage ...

Parameters **preamble** – The part to add to preamble.

```
    exam_content = None
```

The content of the exam

```
    exam_header = None
```

The presentation of the exam's header

```
    exam_title = None
```

Exam name

```
    export_pdf_answer (file_name: str)
```

This method export the answer as a tex file.

Parameters **file_name** – The file name will output.

```
    export_pdf_exam (file_name: str)
```

This method export the exam as a pdf file.

Parameters **file_name** – The file name will output.

```
    export_pdf_solution (file_name: str)
```

Export a file containing detailed answers for each question in the exam

```
    export_tex_answer (file_name: str)
```

This method export the answer as a tex file.

Parameters **file_name** – The file name will output.

```
    export_tex_exam (file_name: str)
```

This method proposed exam as a tex file.

Parameters **file_name** – The file name will output.

```
    export_tex_solution (file_name: str)
```

Export a file containing detailed answers for each question in the exam

```
    latex_preamble = None
```

Preamble of the latex file corresponds to the exam

question_theorem = None

The content of the beginning of each question will be printed

solution_theorem = None

The content of the beginning of each detailed answer will be printed

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