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# **Computational Forensics: Introduction to Projects**

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## What is a report?

- ◆ Report is NOT
  - Re-collection of papers and ported into a single paper = COPY
- ◆ Report SHOULD be
  - Read many papers
  - Examine and understand the papers
  - Process or digest the ideas of the papers
  - Organize and structure the papers
  - Reproduce or comment the main ideas of the topic with your own words
  - In order to produce a Technical term paper

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## Writing Essays - Summary

- ◆ Read / define the questions carefully
- ◆ Brainstorm
- ◆ Check if the topic sentence will support the thesis statement
- ◆ Check if all supporting ideas relate to the topic
- ◆ Add more details if necessary
- ◆ Put ideas in a logical order
- ◆ Write the introduction
- ◆ Write the body
- ◆ Write the conclusion
- ◆ Read over the essay

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# Brain Storming

- ◆ 5 x W and How
  - Who, What, Where, When, Why, How
- ◆ Write down any idea that comes into your head.
- ◆ Group the related ideas together.
- ◆ Write how these idea are related.
- ◆ Make a paragraph by each group
  - Topic sentence
  - Outline
  - Details

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# Reading Papers

- ◆ Before:
  - Note: Author, Title, Source (bibtex)
  - Date
  - My current knowledge
  - Ask questions to be answered by the paper
- ◆ During:
  - Note important points by the author
  - Striking
- ◆ After:
  - What are the answers to the stated questions?
  - Concluding remarks

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# Circle and Fix the Topic I

- ◆ Note
  - Inspirations
  - Ideas
  - Questions
  - Weak Thoughts
- ◆ Review all of them!

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## Circle and Fix the Topic II

- ◆ What is the problem?
  - ◆ How can I solve it?
  - ◆ What is already done?
  - ◆ Which ideas do I have?
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- ◆ How to value my work with respect to other research?

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# Writing Essays I

- ◆ Introductory paragraph
- ◆ Body is made up of paragraphs that support the introduction
- ◆ Conclusion restates the topic
  
- ◆ **Introduction**
  - Introduce the topic in general
  - Narrow the topic down to focus more on the questions
  - Restate the question in your own words an in statement form
  - Conclude with the thesis statement and indicate the controlling idea
  - --> State the problem & the controlling idea

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# Writing Essays II

## ◆ **Body**

- Developmental paragraph should have a topic sentence that supports the controlling idea mentioned in the thesis statement
- Ideas in each paragraph should support their topic sentence
- --> Discuss the problem

## ◆ **Conclusion**

- Restate the thesis statement
- Restate the topic sentence from the developmental paragraph
- State your opinion or preference, make a prediction, or give a solution
- Conclude with a statement that sums up the essay

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# Writing Paragraphs I

## ◆ **Topic sentence**

- States the topic and a controlling idea concerning the topic
- Tells the person what the paragraph is about
- All the ideas stated in the rest of the paragraph should refer to the given topic and the controlling ideas

## ◆ **Phrases to express the controlling idea**

- The reason for...
- The changes to...
- The precautions for...
- The problem...
- The causes of... ( the effect of...)
- The steps for... (the procedure for...)
- The advantages of... (the disadvantages of...)
- The ways to... (the methods of...)
- The different sections (parts, kinds, types) of...
- The characteristics (traits, qualities) of ...

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# Writing Paragraphs II

## ◆ Details

- Fully developed paragraphs are made by additional details like:
  - Facts, examples, personal experiences, description
- Rewrite “weak” paragraphs by answering the questions and
- using those answers within the paragraph

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## Analyzing Essays I

- ◆ Is there an introductory paragraph?
- ◆ Does the introductory paragraph restate the questions?
- ◆ Does the introductory paragraph have a thesis statement (controlling idea)?
- ◆ Does each paragraph have a clear topic sentence?
- ◆ Does the topic sentence of the developmental paragraphs support the thesis statement?
- ◆ Do the ideas in each developmental paragraph support the topic sentence of the paragraph?
- ◆ Are the details (examples, facts, descriptions, personal experiences) clear?

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## Analyzing Essays II

- ◆ Is there a concluding paragraph?
- ◆ Does the concluding paragraph give (A) an opinion, preference, prediction or solution and (B) reasons?
- ◆ Does the essay end with a concluding statement?
- ◆ Does the essay answers all parts of the question?
- ◆ Have the grammar and spelling been corrected?
  
- ◆ See also REVIEW PAPERS!

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## Review Papers / Essays

- ◆ Where is the paper published
- ◆ Is it a proper work (are there typos)?
- ◆ Are there correct citations?
- ◆ Is the common style considered?
- ◆ Is the used “language” understandable?
- ◆ Is the outline clear?
- ◆ Which references are mentioned?
- ◆ Which references are missing?
- ◆ Are there comparable works considered?
- ◆ Who is the author?
- ◆ What is the (working) background?
- ◆ Who are the persons mentioned in the acknowledgment?