Find 5 or more sources and find:

1. Who wrote it
2. The authors credentials
3. The date
4. The reliability
5. The intended audience
6. The relevance to the topic
7. Evaluate if and how it is biased
8. The main ideas

<https://www.researchgate.net/publication/303348270_On_source-to-source_compilers>

1: Ilyushin, Evgeniy & Namiot, Dmitry. (2016). On source-to-source compilers. International Journal of Open Information Technologies. 4.

2: Evgeniy Ilyushin is a PhD candidate at Lomonosov Moscow State University. [1]

Dr. Dmitry Namiot has a PhD in computer science at the same university, and is the author or co-author of more than 90 journals [2]

3: Written April 2016

4: Given that it is written by a doctor of computer science and a PhD student in computer science, in a journal that requires articles to be peer reviewed by at least two anonymous reviewers [3], the article is probably quite reliable. However, the journal is not listed in Scimago, possibly suggesting that it isn’t recognised and they may possibly not peer-review as well as they say they do.

5: Academics researching in the field of computer science.

6: Highly relevant to my topic as it is talking about precisely what I am making.

7: I cannot find any evidence of bias and the authors appear to be academics with no conflicts of interest within the subject matter.

8: Basic architecture and different uses of transpilers

http://hjemmesider.diku.dk/~torbenm/Basics/basics\_lulu2.pdf - Basics of Compiler Design

1: Torben Ægidius Mogensen

2: Associate Professor of Programming Languages and Theory of Computing at the University of Copenhagen

3: Originally published 2000, this edition August 20 2010

4: This is self-published by the author, which lowers the potential reliability of the source as it is not peer-reviewed. However, it is taught at DePaul University in Chicago, which is a bit encouraging, although they might be using it just because it is free. It is listed on Google Scholar as having 47 works citing it.

5: Intended to be used as a textbook in the compiler course at undergraduate level in universities.

6: It provides a large amount of useful material for some areas of my project, but also provides a large amount of irrelevant material later on as it goes into low-level compilation which is not part of my project.

7: It is self-published, which does increase the likelihood that it might be biased. However, it is free and I cannot see any conflicts of interest so it is unlikely to be biased.

8: How each different stage of a compiler is constructed

<https://en.wikipedia.org/wiki/Extended_Backus%E2%80%93Naur_form>

1: Unknown number of random people on the internet.

2: Unknown

3: accessed 16/11/2019, originally created in 2002, last edited 15/11/2019

4: Open source and continuously edited since 2002, with 337 edits and 219 people contributing. This indicates that it is well reviewed and likely relatively reliable.

5: General public.

6: Provides a good amount of information that is mostly relevant to the part of the topic that I looked at the page to help with – defining the grammar to use in parsing

7: Nothing in the page that could be a product of a conflict of interest so not much evidence of bias.

8: Provides a description of a notation to define grammars.

<https://www.tutorialspoint.com/compiler_design/compiler_design_architecture.htm>

1: Unknown

2: Unknown

3: Accessed at least on 24th November 2019.

4: The site says that the articles are written by professionals in the field but does not actually provide any evidence of this. Online reviews of it seem to suggest that it works well as a reference but not particularly well as a tutorial site.

5: The home page for the compiler design tutorial suggests that the intended audience is students interested in compilers.

6: Similar to most of the others – it provides material that I may or may not find useful but is directly related to parts of my topic but parts that are related to areas close to my topic but not actually useful for me.

7: Does not appear to be any conflict of interest or bias. It seems to just be showing information about the topic.

8: Specific page: architecture/sections of a compiler. Tutorial: designing and building compilers. Site: tutorials.

[http://www.cplusplus.com/reference/map/map/operator[]/](http://www.cplusplus.com/reference/map/map/operator%5b%5d/)

1: Unknown

2: Unknown

3: Date today is 24th November 2019

4: Unknown. It seems to be a reference site for the language and has existed since at least as early as 2000 so it probably is pretty good to have lasted that long, but there are likely to be some errors as it is not as open as sites like Wikipedia.

5: People who are writing programs in C++ and need to know about certain aspects in the standard template library or language specification.

6: Directly related as it has large amounts of information about the programming language that I am using. However, it is not useful in any way other than this.

7: Directly states what things in the language do and there does not appear to be any possible sources of conflicts of interest.

8: The main idea of the website is to provide a reference site for the C++ programming language.

# Bibliography

|  |  |
| --- | --- |
| [1] | [Online]. Available: https://www.researchgate.net/profile/Evgeniy\_Ilyushin. |
| [2] | [Online]. Available: https://www.itu.int/en/ITU-T/academia/kaleidoscope/2014/Pages/Dmitry-Namiot.aspx. |
| [3] | [Online]. Available: http://injoit.org/index.php/j1/about/editorialPolicies#custom-7. |