

Module CS5052NI

Professional Issues, Ethics and Computer Law

2023

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What are research skills?

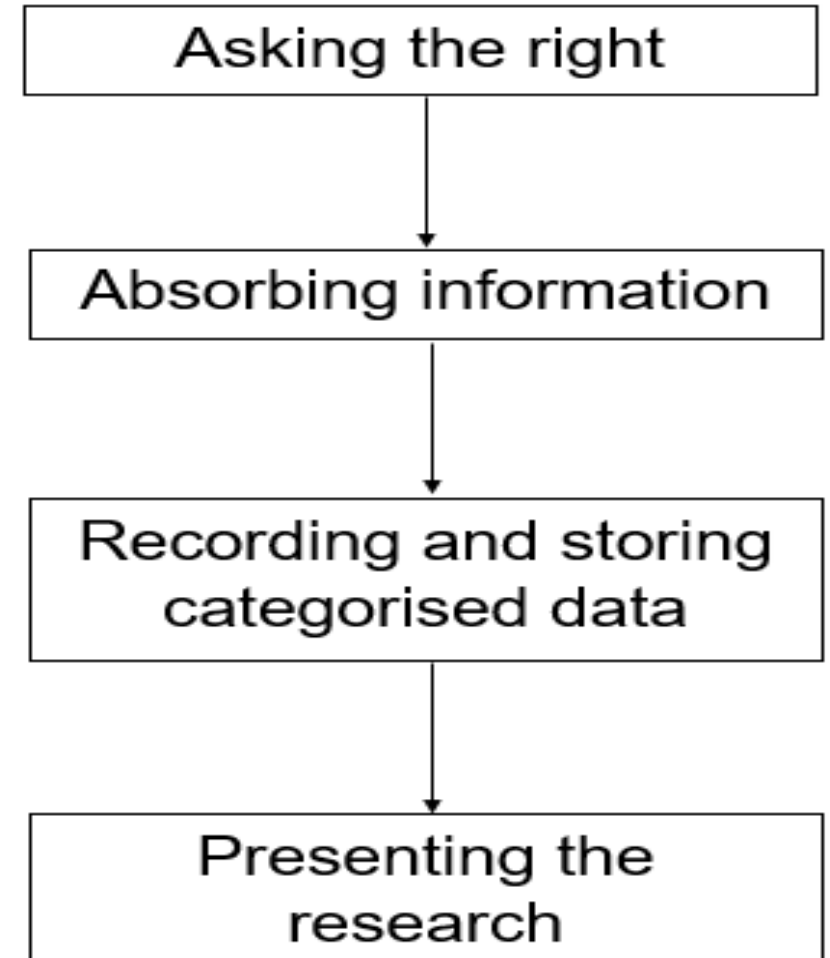
- Research skills refer to the ability of a person to **search, extract, categories, criticize** and **present** information related to any particular topic.
- It gives student the opportunities to explore the content themselves on a deeper level.



General Steps to be followed during research

The general steps or process to be followed while doing research are:

1. Asking the right question
2. Absorbing information
3. Recording and storing categorized data
4. Presenting the research

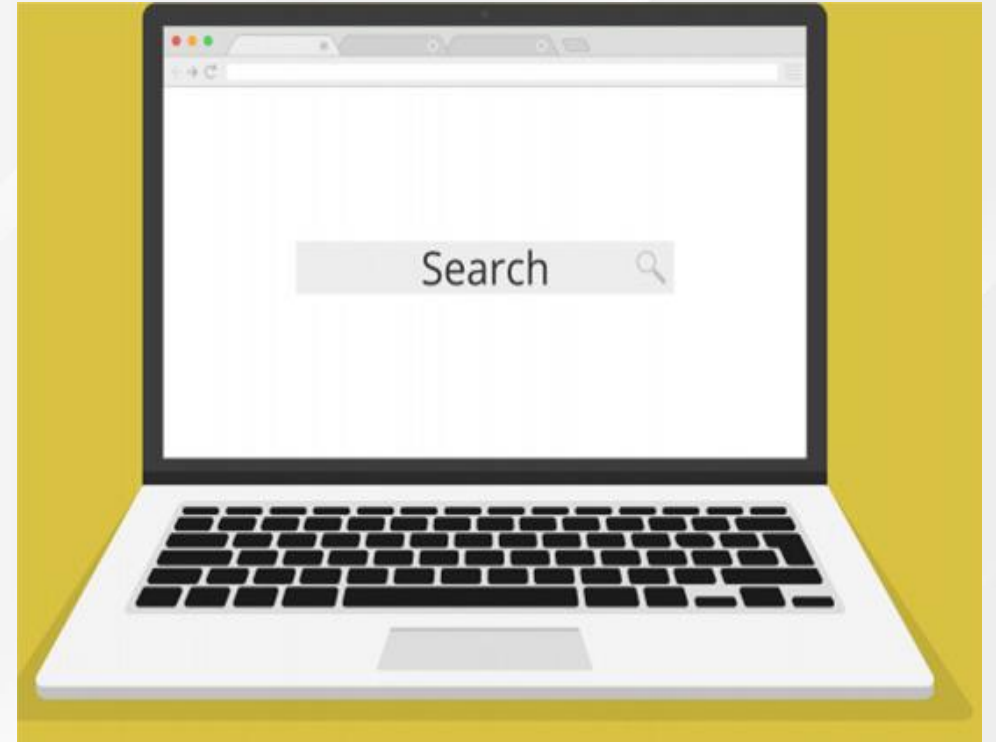


Getting to know about the topic

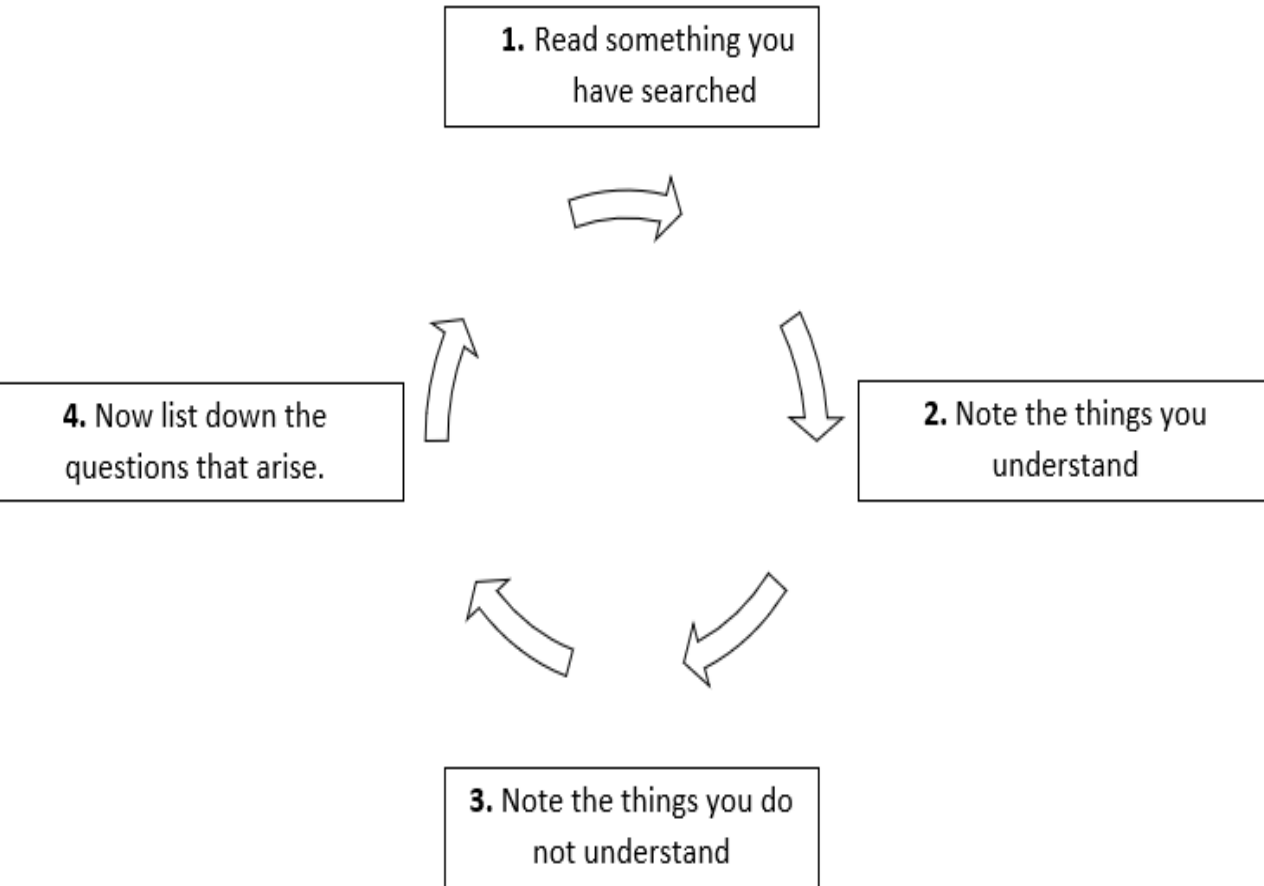
There are two main questions you must ask yourself first

- **Have I heard about this topic before?**
- **If yes, how much do I know about it?**

After asking yourself these questions, you can always search the internet.



Note down the questions



Asking the Right Questions

- The questions should be **broken down** so as to **find more answers**.
- The more **good questions** you ask, the **better answers** you will get.
- **Do not believe** everything you see on the internet.

What are Keywords?

- Keywords are the words you use to find the **answers** of the **research questions**.
- **Similar keywords** give **similar results**, making the research process **much longer**.
- Always look for the **nouns** in the **questions**.
- **Thoroughly read through** the searched content.
- **Note down** the things you **have understood** about the topic.

Sources

- **Primary Sources**
- **First-hand evidence** or **information** of any **discovery** or **period**.
- The information in primary sources are generally **raw** and **unprocessed**.

For example: Diaries, Letters, Interviews, etc.

- **Secondary sources**
- Developed from or using **primary sources** **but** add something on it and create a new perspective.
- Most of the information on the internet are **secondary sources**.

For example: Books, Biographies, Movies/plays reviews, etc.

After Deciding on the Keywords, What are the types of data to be collected?

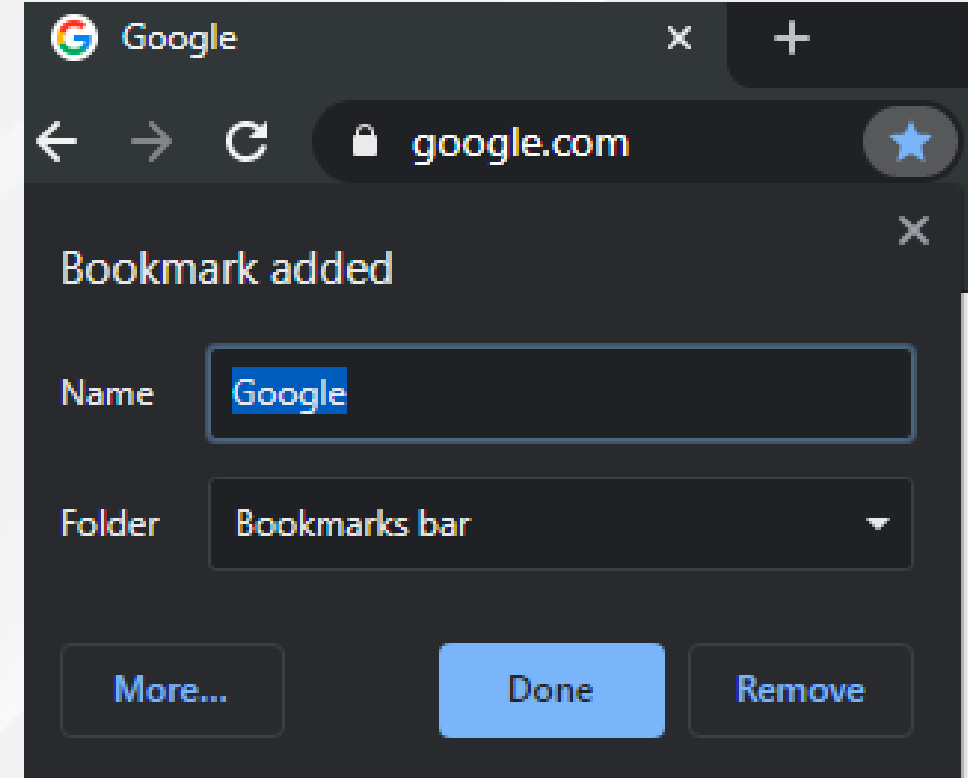
- **Qualitative Information**
 - Information related to **thoughts**, **observations**, and **opinions**.
 - Doesn't include **numerical** data.
- **Quantitative Information**
 - Information related to **numbers** and **statistics**.
 - **Thoughts** and **opinion** are generally discarded.

Tools to record and store information



Browser bookmarks

- Browser Bookmarks
- You can categorize similar websites or articles together in a single folder

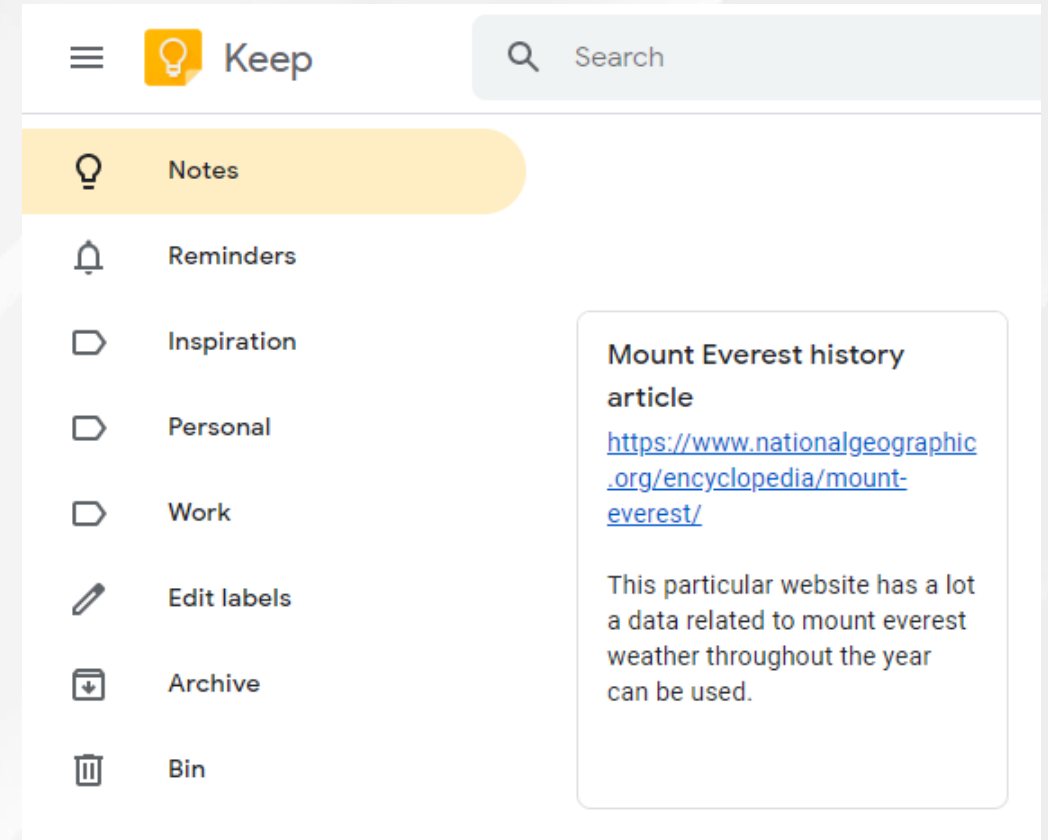


Tools to record and store information

Google Keep



- This tool helps you to keep track of huge articles, videos and websites.
- We can also categorize similar notes together on Google Keep.
- You can organize by keeping notes of quality sources together.



Things to consider before presenting research

- Being Sceptical: Means questioning the specific reason you want to show that part of the research.
 - Does the research help you in answering the question?
 - Helps to avoid mentioning something which is not necessary.
- Critique existing sources:
 - Double check the categories that have been created.
 - This will help you to ensure that you are not forgetting anything

Things to consider before presenting research

- Finalising your research
 - Have another look at the question you are trying to answer.
 - Does the information you are presenting answer the question?

Any questions?



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