

# **KNOWLEDGE AND INFORMATION: DISTINCTION AND RELATIONSHIP**

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# DATA

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- In common usage and statistics, data is a collection of discrete or continuous values that convey information, describing the quantity, quality, fact, statistics, other basic units of meaning, or simply sequences of symbols that may be further interpreted formally.

## CONTD...

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- Data is collected using techniques such as measurement, observation, query, or analysis, and is typically represented as numbers or characters which may be further processed.
- Field data is collected in an uncontrolled environment.

## CONTD...

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- Experimental data is generated in the course of a controlled scientific experiment.
- Data is analyzed using techniques such as calculation, reasoning, discussion, presentation, visualization, or other forms of post-analysis.

# INFORMATION

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- Information is an abstract concept that refers to which has the power to inform. At the most fundamental level, information pertains to the interpretation (perhaps formally) of that which may be sensed.

## CONTD...

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- As for example, the height of Mount Everest is generally considered “*data*”, a book on Mount Everest geological characteristics may be considered “*information*”, and a climber’s guidebook containing practical information on the best way to reach Mount Everest’s peak may be considered “*knowledge*”.

# RELATION BETWEEN INFORMATION AND KNOWLEDGE

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- They are closely related to each other.
- জ্ঞান একপ্রকার তথ্য।
- ব্যবহারযোগ্য তথ্য হল জ্ঞান।
- জ্ঞান অবশ্যই নির্ভুল ও সত্য হবে।

## CONTD...

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- জ্ঞানের প্রাথমিক শর্ত হল তথ্য।
- তথ্য ও জ্ঞান সমার্থক নয়। তবে তথ্য ছাড়া জ্ঞানকে ভাবা যায় না।
- জ্ঞানলাভের জন্য তথ্য অপরিহার্য। তাছাড়া, জ্ঞানলাভ ও জ্ঞানের পরিধি বিস্তারের জন্য তথ্য প্রয়োজন।

## CONTD...

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- Some examples of knowledge and information are –
- I have no knowledge of the robbery.
- Police are working to collect *information* [=facts] about the crime before they make an arrest.
- Never reveal personal/private *information* [=details about yourself] online.

# DIFFERENCE BETWEEN KNOWLEDGE AND INFORMATION

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## KNOWLEDGE

- Knowledge refers to the relevant and objective information gained through experience.
- Useful information.

## INFORMATION

- When the facts obtained are systematically presented in a given context it is known as information.
- Refined data.

# DIFFERENCE BETWEEN KNOWLEDGE AND INFORMATION

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## KNOWLEDGE

- Requires learning.
- Identical reproduction is not possible.

## INFORMATION

- Easily transferable.
- Can be reproduced.

THANK YOU