

2. Nov/2022/Paper_11/No.5

Encryption is a method used by organisations to keep data confidential. Symmetric or asymmetric encryption is used.

Explain what is meant by asymmetric encryption.

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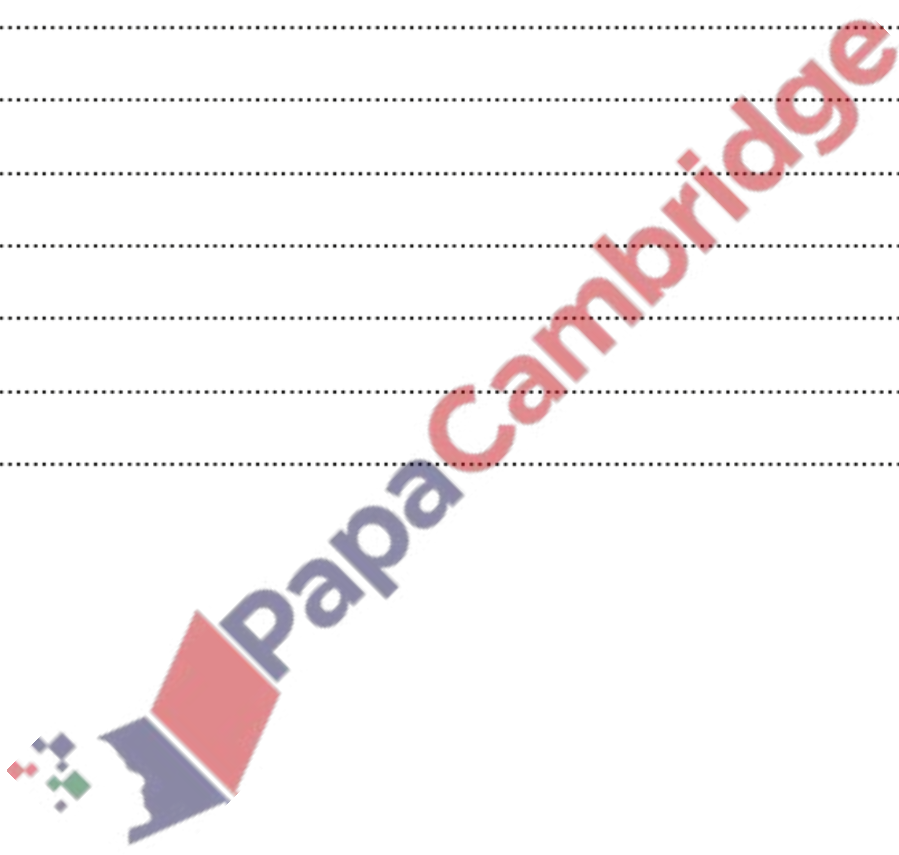
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3. Nov/2022/Paper_11/No.11

Explain what is meant by an indirect data source. In your explanation include descriptions of **two** different indirect data sources.

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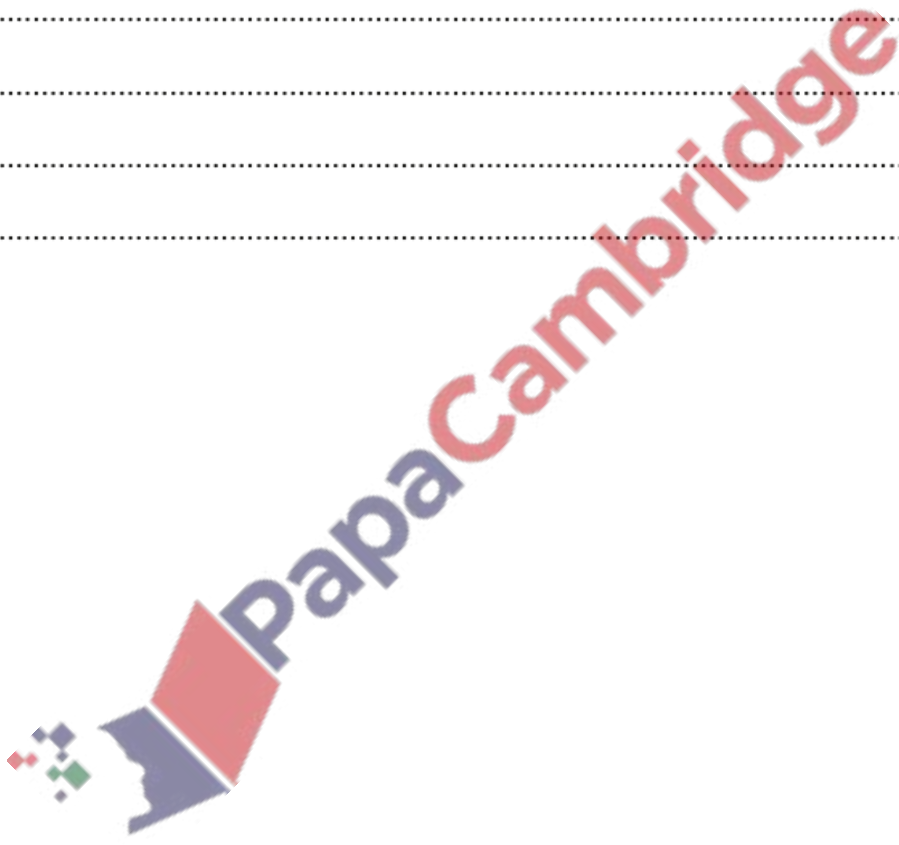
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4. Nov/2022/Paper_12/No.1

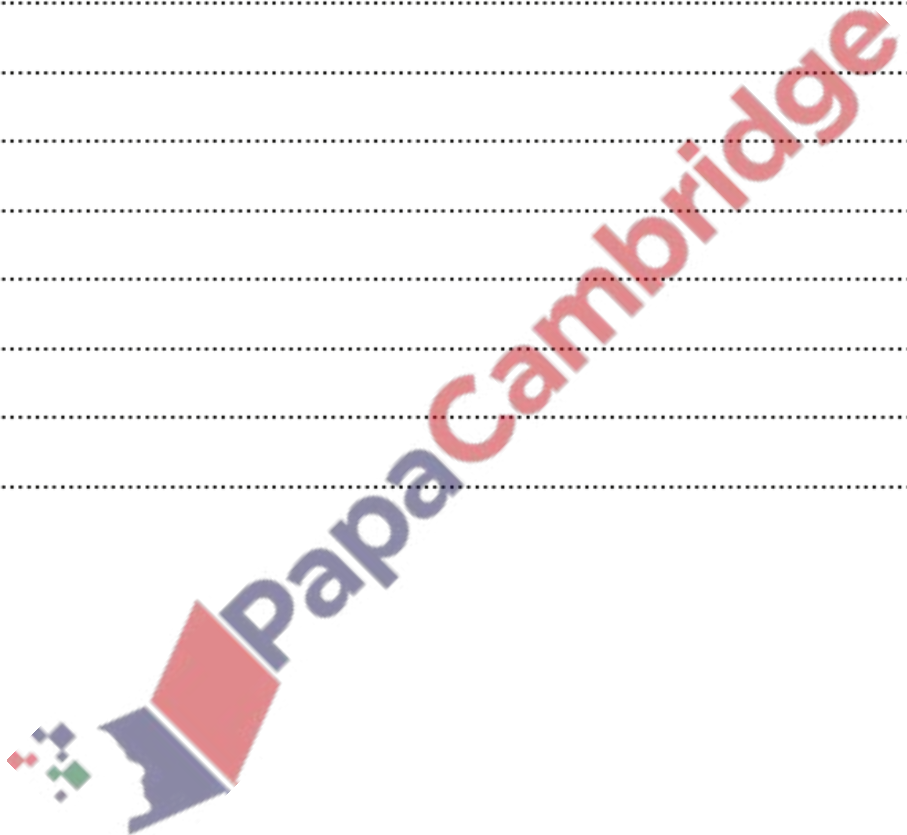
Here is a set of data.

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Explain why this is just a set of data and describe how this particular set of data would become information.

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Encryption is often used to protect data.

(a) Discuss the need for encryption.

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(b) Discuss the advantages and disadvantages of using symmetric encryption.

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6. Nov/2022/Paper_13/No.1

Before companies make planning decisions, they need to collect a lot of data. The decisions they make will depend on the quality of the resulting information.

Apart from its age and its level of detail, describe the other factors which affect the quality of information.

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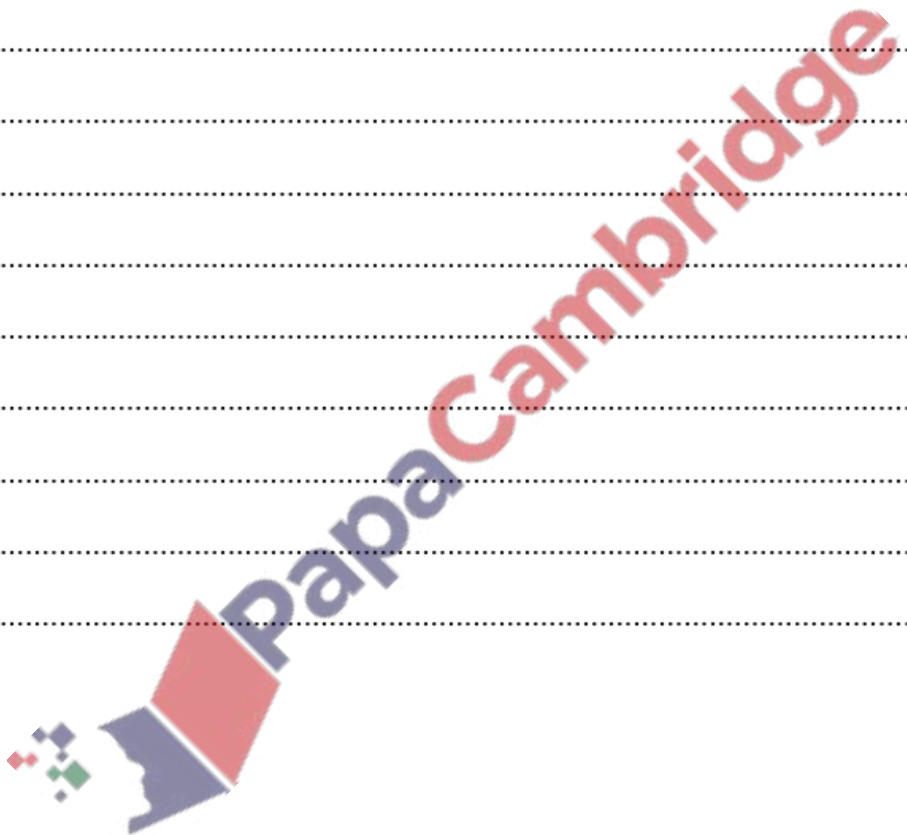
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[6]

The processing of customer orders is an example of batch processing.

Describe, using customer orders as an example, what is meant by batch processing.

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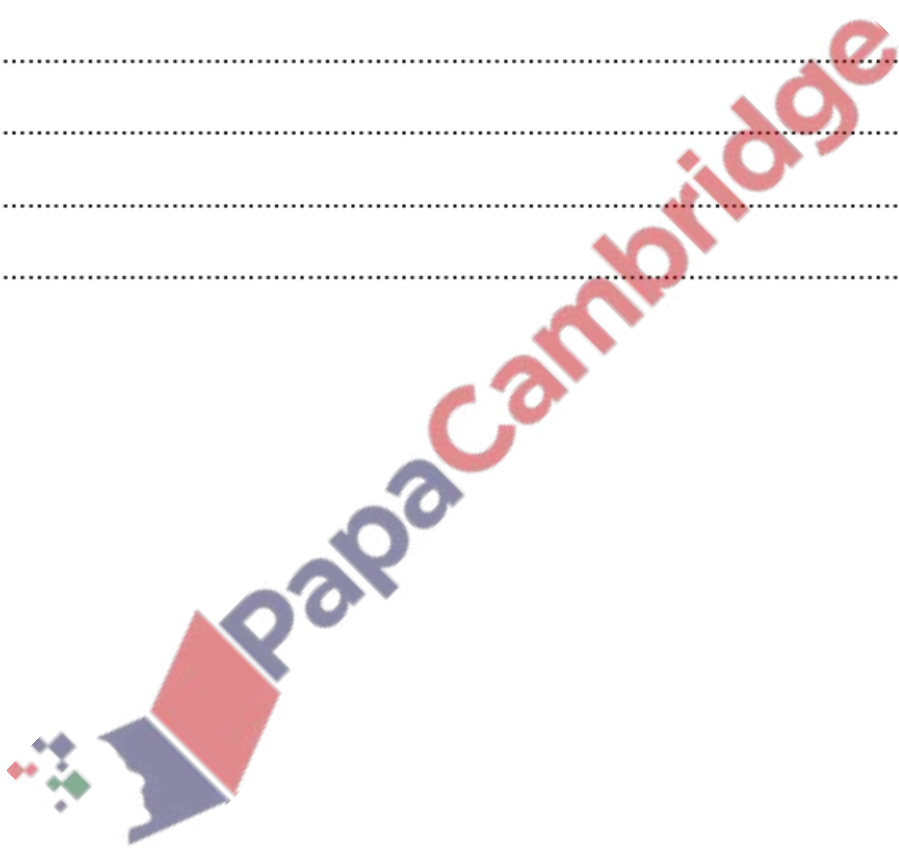
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12. June/2022/Paper_12/No.2

Julia is setting up a hairdressing business. She has recruited several staff. She is creating a database of all her staff and has written down all their details ready for entering into a computer. She will need to verify the data when it is entered.

She has been told that she cannot use a parity check but should use visual verification and double data entry.

(a) By describing what is meant by a parity check, explain why it might not be suitable in this scenario.

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(b) Compare the similarities and differences between the visual checking and double data entry methods of verification.

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14. June/2022/Paper_12/No.4

Julia is setting up a hairdressing business. She has recruited several staff. She is creating a database of all her staff and has written down all their details ready for entering into a computer. She will need to verify the data when it is entered.

She has been told that she cannot use a parity check but should use visual verification and double data entry.

- (a) By describing what is meant by a parity check, explain why it might not be suitable in this scenario.

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- (b) Compare the similarities and differences between the visual checking and double data entry methods of verification.

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16. June/2022/Paper_13/No.1

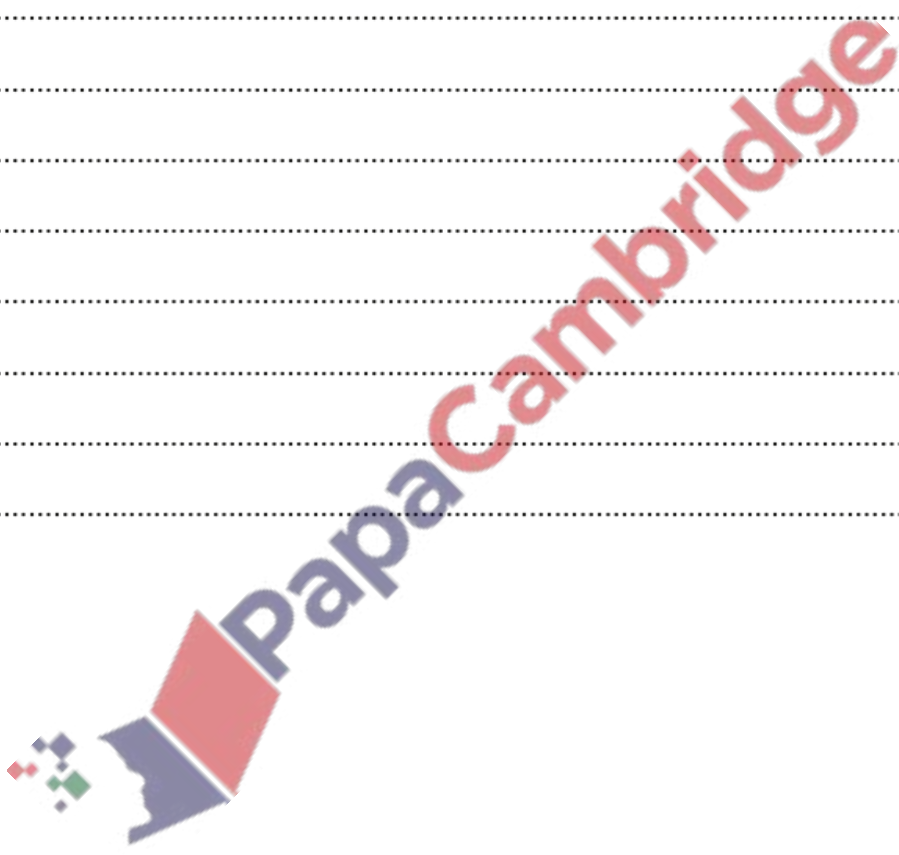
Paulo is carrying out a study on the level of noise caused by traffic in the streets around his home. He will need data for his study.

(a) Describe what is meant by direct data.

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(b) Describe how Paulo could use direct data sources for his study.

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A collection of data could be the following:

1989, Paolo, √, ₹, ≠, OR

(a) Explain, by defining the term 'data', why this is just a collection of data and is not information.

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(b) Select **three** of these items of data. Explain what information each item might represent and how it could be used.

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Mainframe computers are particularly suited to carrying out the transaction processing of online banks.

(a) Describe the features of a transaction processing system.

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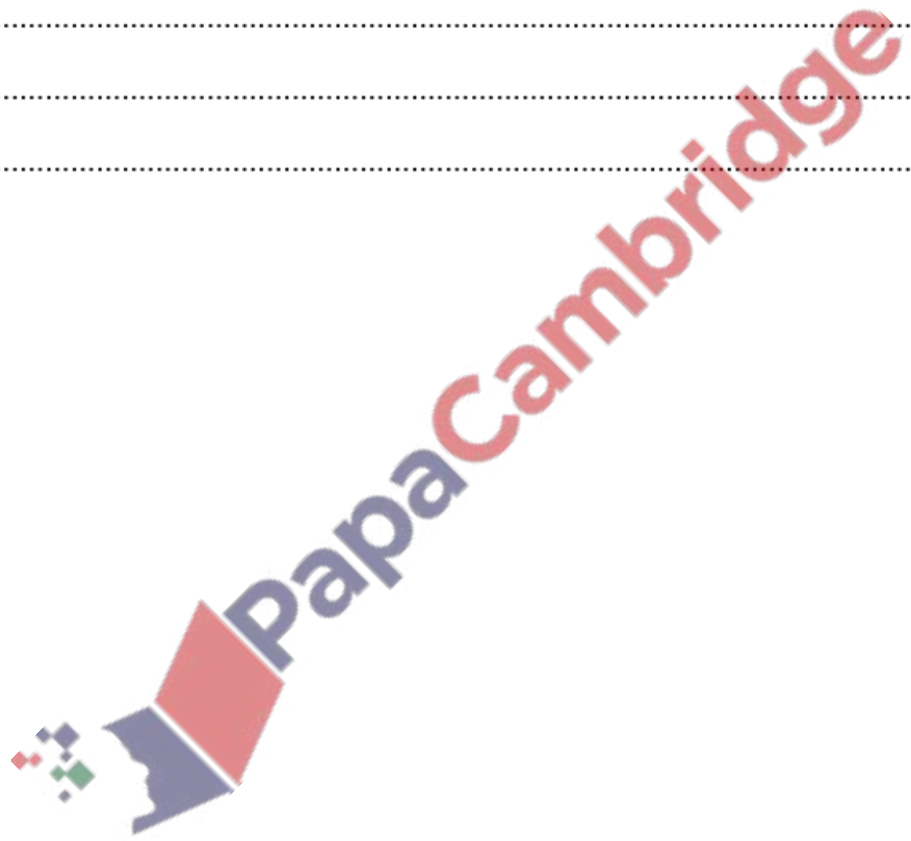
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20. March/2022/Paper_12/No.4

Computerised weather stations are used to monitor a number of analogue atmospheric variables.

Describe how **three** of these variables are collected and what needs to happen to the data before it can be used by a computer.

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