Task A

Below is a Caesar Cipher algorithm with a shift of 3. The top row is referred to as plaintext whereas the bottom row is referred to as cipher text.



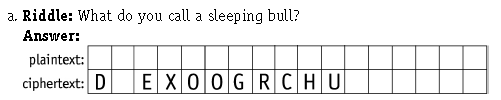
Encrypt this message with a shift of 3.



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| NHHS WKLV VHFUHW |

Task B

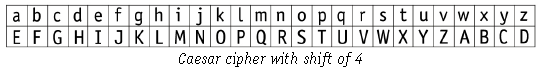
Decipher the following riddle.



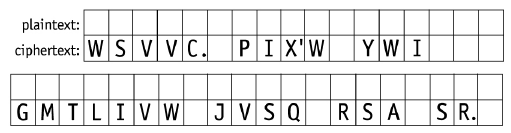
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| A BULLDOZER |

Task C

Below is a Caesar Cipher algorithm with a shift of 3. The top row is referred to as plaintext whereas the bottom row is referred to as cipher text.



Decrypt the following note



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| SORRY. LETS USE CIPHER FROM NOW ON |

Task D

Encryption involves the process of asymmetric and symmetric encryption. Find an image on the internet that clearly illustrates the encryption process and screenshot in the box below.

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Task E

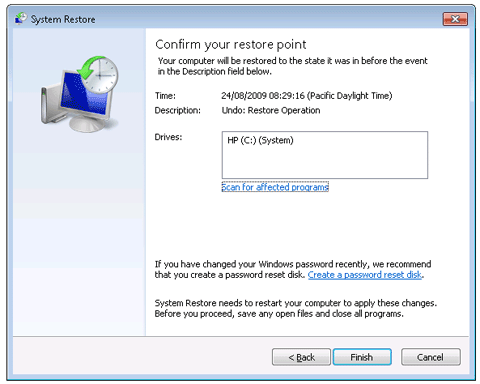
Describe the purpose of encryption.

Before you write your description, look at the answer builder tool underneath the help you.

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| --- | --- |
| Description:  Encryption is the process of scrambling data into an uneradable form. This is done so it makes it more difficult for hackers to intercept data packets that may contain some sensitive data such as bank details. Data is decrypted using a private key. | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What does encryption do to data? | Why is data encrypted? | How is data decrypted? | | |

Task D

Windows provides an in-built feature called a system restore.



What is the purpose of a system restore?

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Identify some of the issues of using a system restore to retrieve lost data.

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Task E

Descrbe the purpose of backing up data

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What does backing up data mean? | Why is data backed up? | Provide some examples of backup methods | | |