

1. Nov/2022/Paper\_11/No.1

Computers often have utility software supplied with the operating system.

Explain what is meant by utility software and why it is needed.

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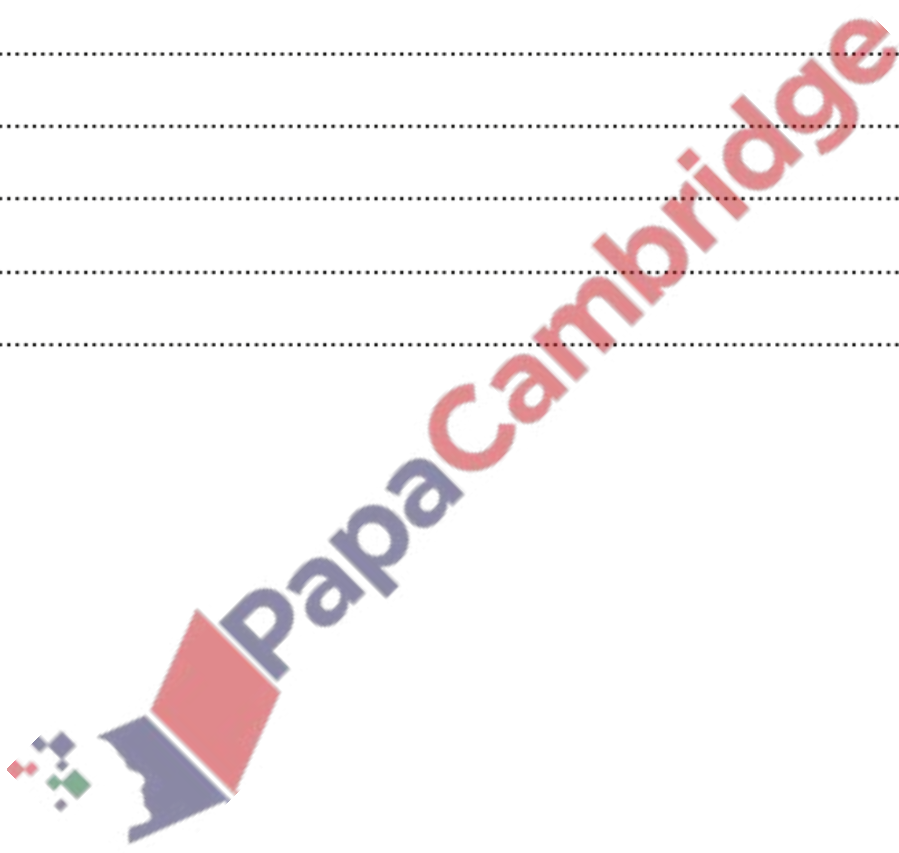
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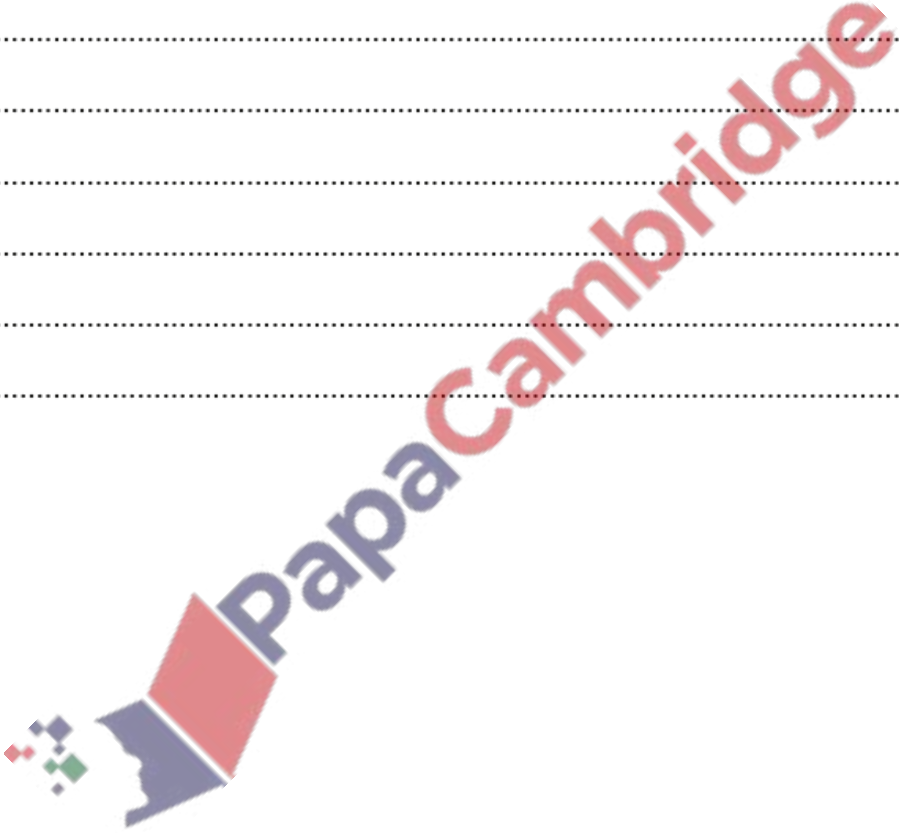


A microprocessor controlled air conditioning system uses real-time processing.

Explain what is meant by real-time processing in this scenario.

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6. Nov/2022/Paper\_13/No.3

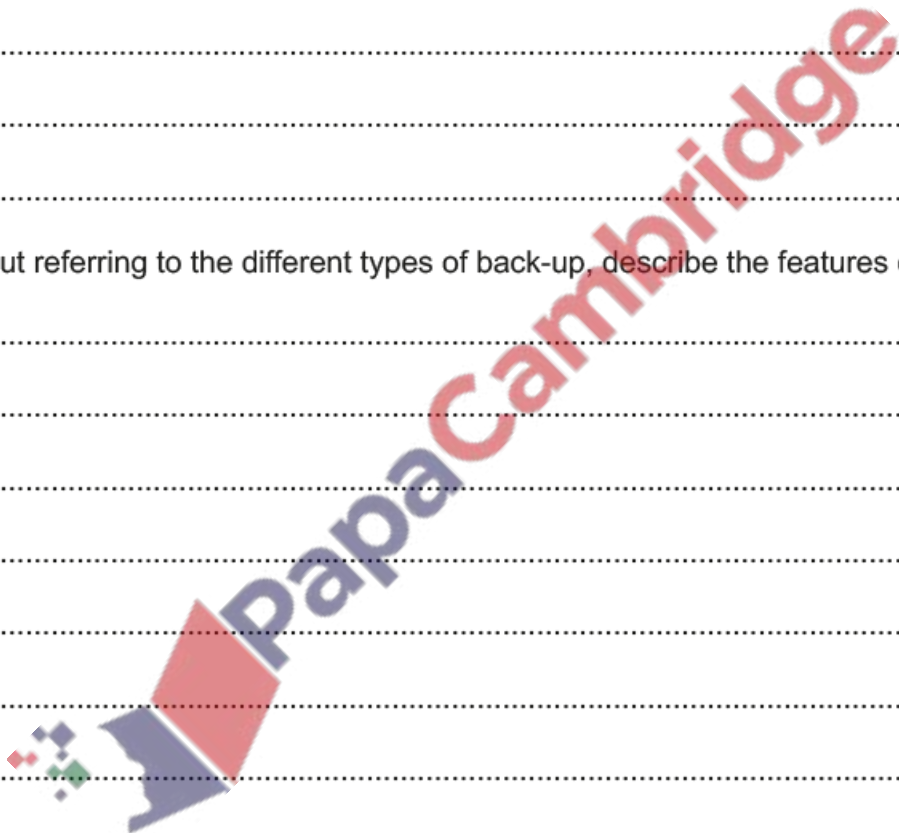
Back-up software and anti-virus software are both types of utilities that are often provided with operating systems.

- (a) Without detailing the different methods of detection, describe the features of anti-virus software.

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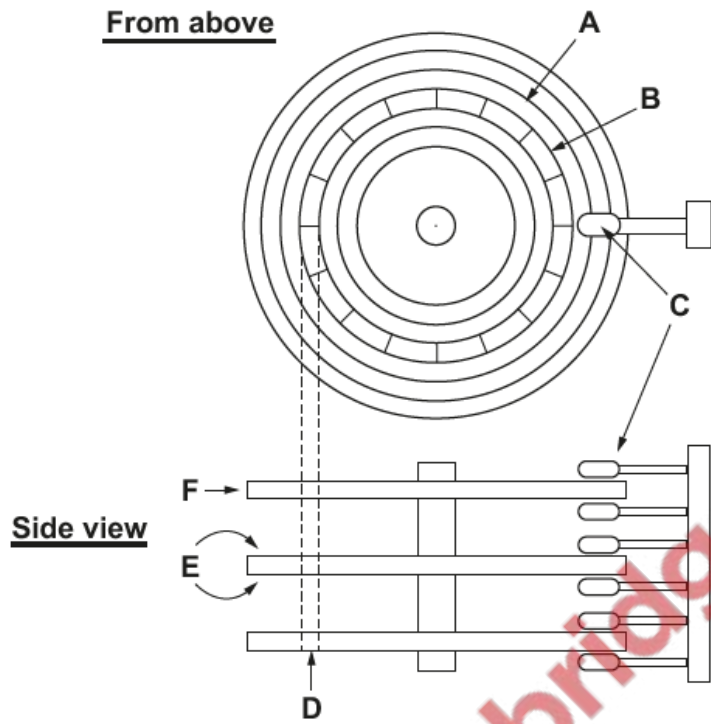
- (b) Without referring to the different types of back-up, describe the features of back-up software.

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Here is a diagram showing the component parts of a hard disk drive.



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(a) Describe the component parts of a hard disk drive. Refer to the labelled diagram in your answer.

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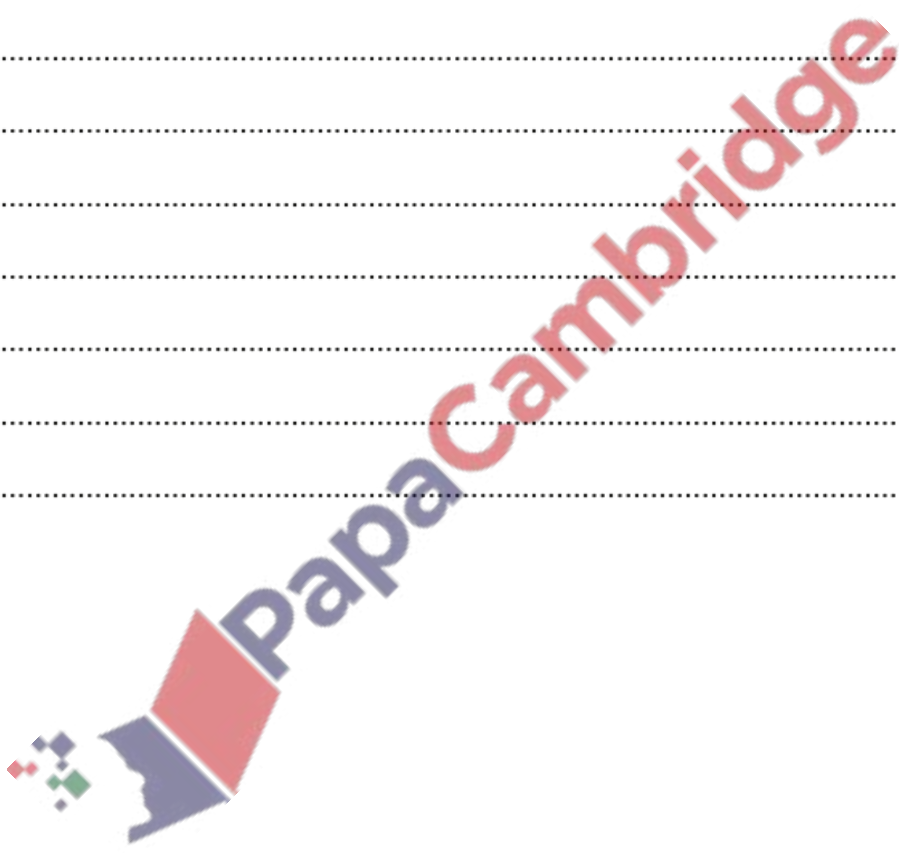
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10. June/2022/Paper\_12/No.5

Explain how high level language programs can be translated to run on different computer systems, including any difficulties which may result from this.

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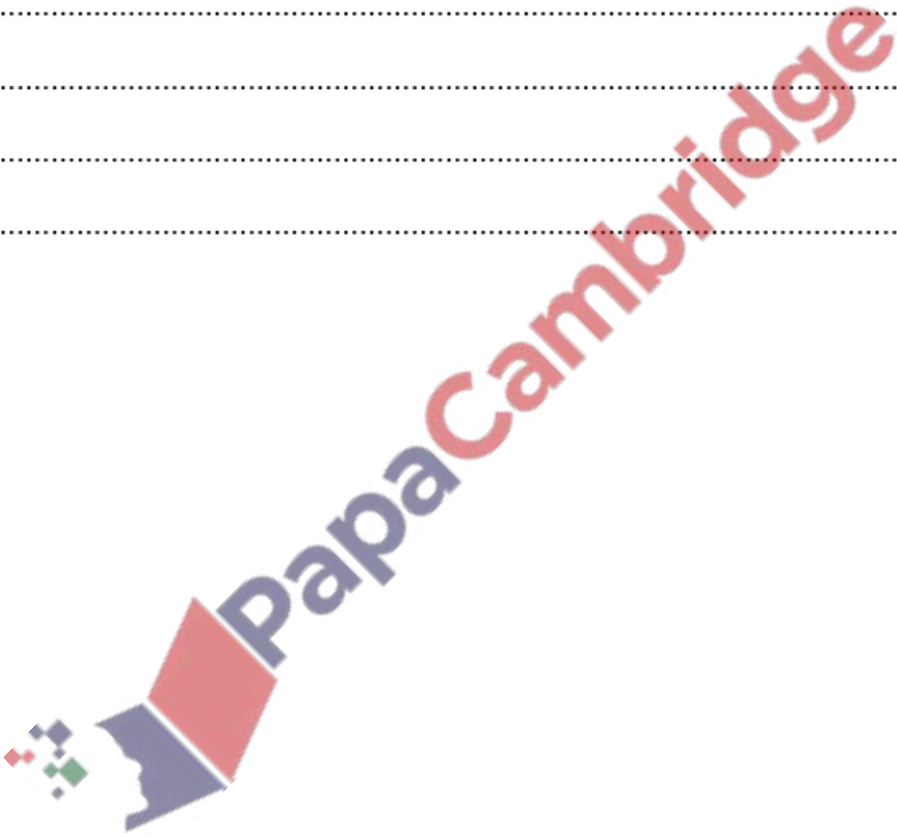
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The directors of a company wish to create a database of customers. They are not sure whether they should ask a computer programmer to produce custom written software or they should purchase off-the-shelf software.

(a) Describe the features of custom written software.

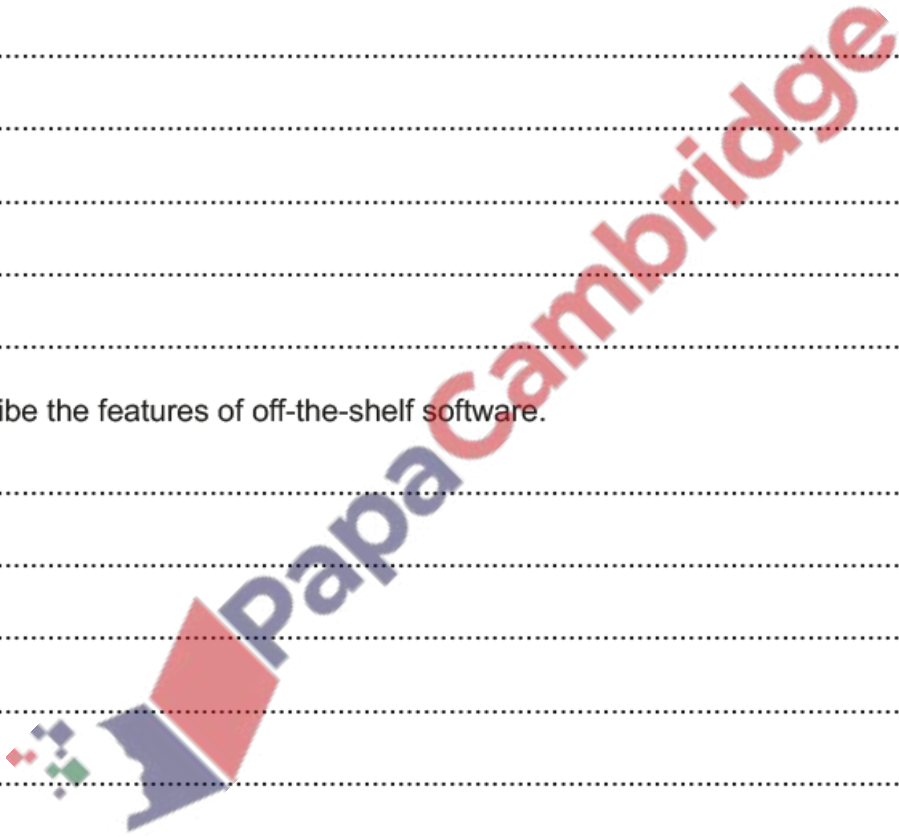
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(b) Describe the features of off-the-shelf software.

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12. March/2022/Paper\_12/No.2

An interpreter is a type of system software.

Describe how an interpreter operates.

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