[](https://www.knowitallninja.com/)Introduction to User Interfaces

# Task 1

(a) Define below what we mean by the term “user interface”.

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(b) What is the name of the type of user interface you use on your home desktop/laptop computer?

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(c) Look at the image of a smart speaker below. Label it to identify the different ways that we can input instructions into this type of device.



# Task 2

(a) Text -based and speech/natural language interfaces have very different features. In the space provided below define how you input commands into text-based and menu-based interfaces.

Text-based interfaces \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Speech/Natural language interfaces \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(b) Text-based and speech/natural language interfaces also have some very different uses. Complete the table below identifying the types of devices and uses that would use these types of interfaces.

|  |  |  |
| --- | --- | --- |
|  | Types of Devices | Common Uses |
| **Text-Based** |  |  |
| **Speech/Natural Language** |  |  |

# Task 3

A charity provides donated computer systems to schools in the developing world. These devices are typically very old. What would be the advantages and disadvantages of using a text-based interface on these computer systems?

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