

Demonstrate understanding of direct data entry devices (graphic tablet, Magnetic card reader, optical card reader, QR code reader, Radio Frequency Identification (RFID) Readers)

Identify Graphic tablet, Magnetic card reader, optical card reader, QR code reader, Radio Frequency Identification (RFID) Readers from video or pictures.

2. Explore features of these input devices.
3. Explore how these input devices work in real life situations
4. Generate QR codes and link them to specific websites

A graphic tablet (Digitizer)

- A graphic table is an input device which converts analog information into digital form.
- It can be used to create a picture of whatever the camera had been pointed at.
- It converts graphics and pictorial data into digital input.
- It is normally used by artists and cartoon or animation producers



Optical Card Reader

- Optical Card Reader is a device that uses Optical Character Recognition software that works as a digital copier.
- It scans the document and converts them into machine-readable form.
- There are various types of technology used for Optical Card reader;

Types of Optical Card Reader



Optical Character
Reader/Recognition



OWR (Optical Word
Recognition):



ICR (Intelligent
character
Recognition):



OMR (Optical Mark
Recognition):

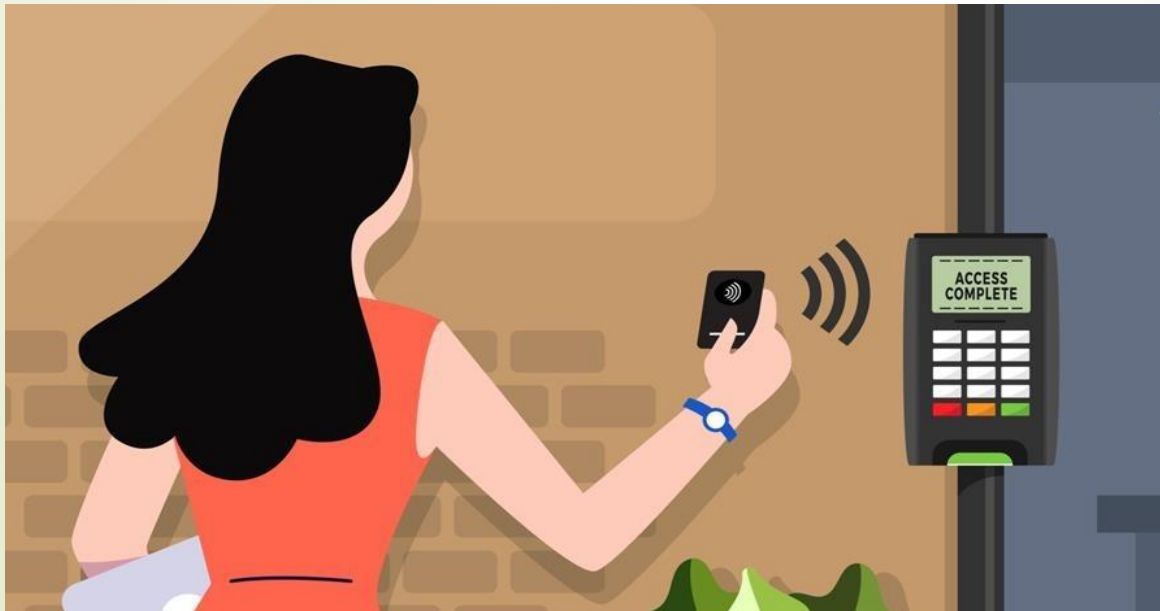


Radio Frequency Identification (RFID)



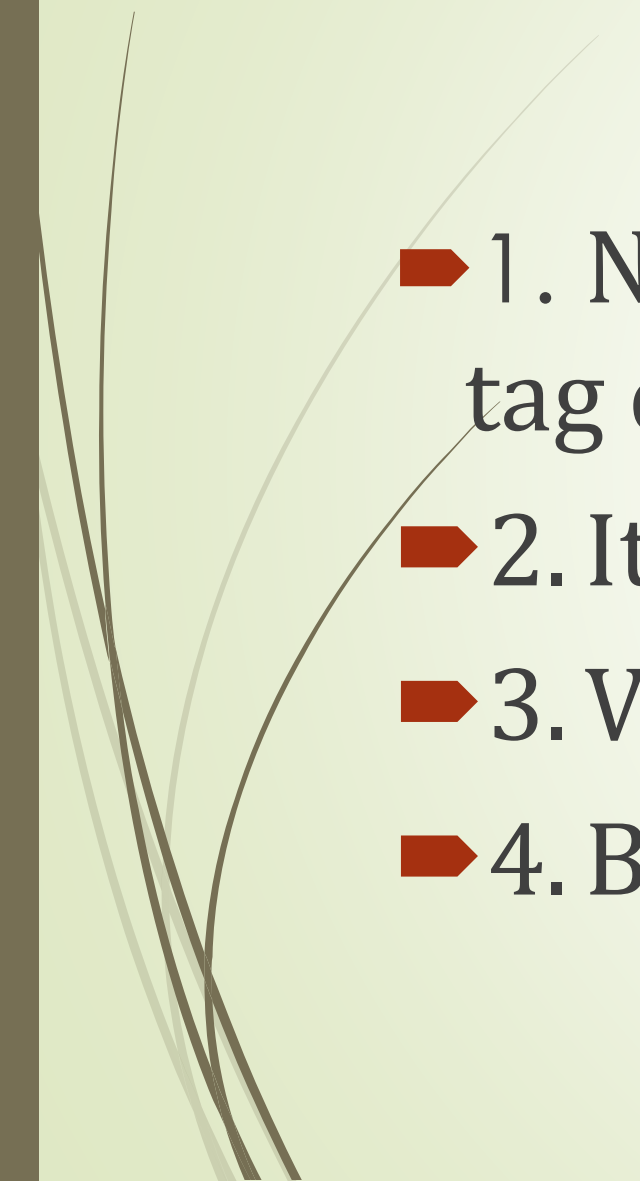
Features of Radio Frequency Identification

1. RFID readers use radio waves to read and capture information stored on a tag.





Advantages of Radio Frequency Identification

- ➡ 1. No-line of sight contact is necessary; the tag can be read from a distance
 - ➡ 2. It is very strong and reliable technology
 - ➡ 3. Very fast read rate
 - ➡ 4. Bulk detection is possible.
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Common Applications of Radio Frequency Identification

1. For tracking Livestock, Equipment, Books, Personnel, etc.
2. Used for preventing the distribution of counterfeit drugs and medical devices
3. Providing data for electronic medical records systems

How to Generate a QR code for a website

1. [Go to <a>https://myqrcode.com](https://myqrcode.com)
2. Tap on 'create my QR code'
3. Choose the website URL option, it's the link QR code generator.
4. Name your code and insert the link
5. Customize your link to QR code
6. Download and share it.

Magnetic card reader

What is Magnetic card reader?

