

1.2 Types of Computers



Computers are classified based on **size**, **speed**, and **purpose**.

1 Super Computers

Super computers are the fastest and most powerful computers.

Features

- Extremely high processing speed
- Used for scientific calculations
- Very expensive

Applications

- Weather forecasting
- Space research
- Nuclear simulations



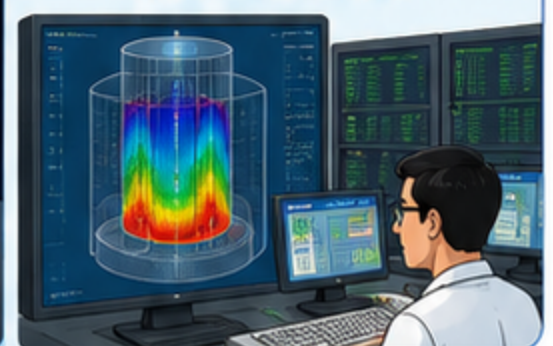
Weather Forecasting



Space Research



Nuclear Simulations



2 Mainframe Computers

Mainframe computers are large computers used by organizations.

Applications

- Banks
- Railways
- Government departments



Banks



Used for managing accounts, transactions, loans and customer information.

Railways

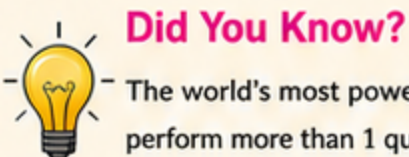


Used for reservation systems, ticket booking and train management.

Government Departments



Used for storing citizen records, taxation, security and administrative work.



Did You Know?

The world's most powerful supercomputer "Frontier" can perform more than 1 quintillion (10^{18}) calculations per second!

Quick Recall

- ★ Super computers are the fastest and most powerful.
- ★ Mainframe computers are used by large organizations.
- ★ Computers are classified based on size, speed and purpose.

