



Journey into the World Of Computers

Session Objectives



- Explain what a computer is
- List the application of computers
- Information Life Cycle

What is a Computer?



A **computer** is a machine that manipulates data according to a set of instructions.^[1]



Computer

Computer is an electronic device for storing and analyzing information fed into it, for calculation, or for controlling machinery automatically
(Oxford Dictionary)

Areas of Application



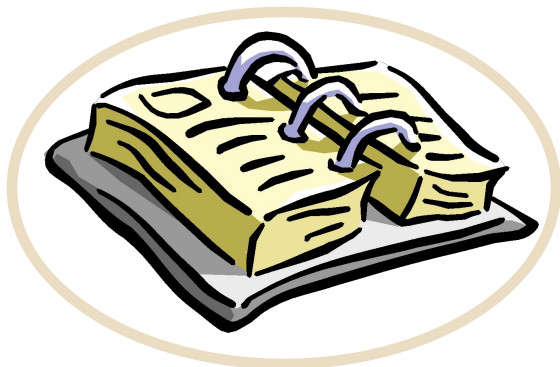
Airways Ticket booking counter



Wake up Alarm Call



24 Hr. Complaint Registration



Banks



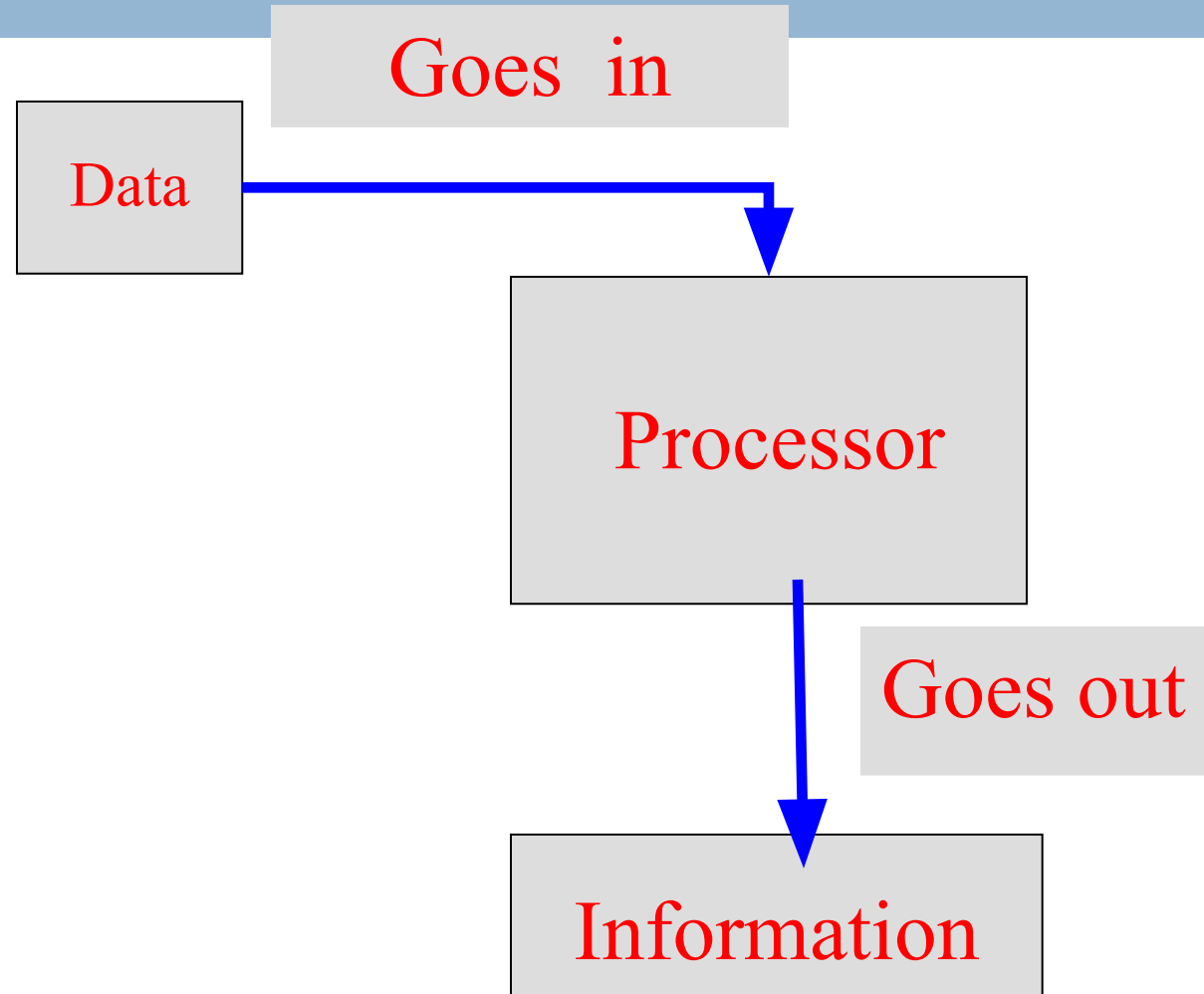
**Paperless money
(Credit Cards)**

Area of Application Cont.

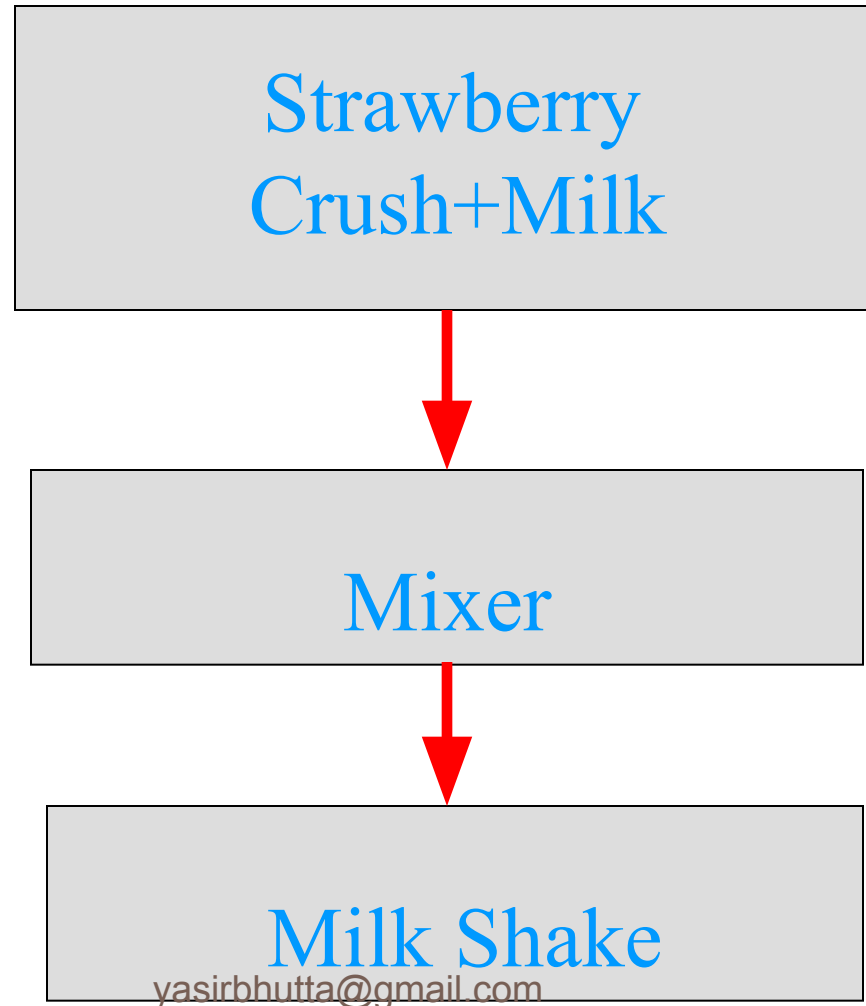


- Documentation
- Spread Sheet
- Chatting
- Video Conferencing
- Presentation
- Data Storage
- Email
- Send and Receive Fax
- Play Audio and Video Files

Understanding computing



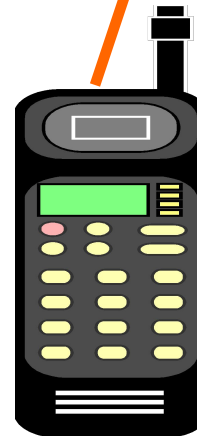
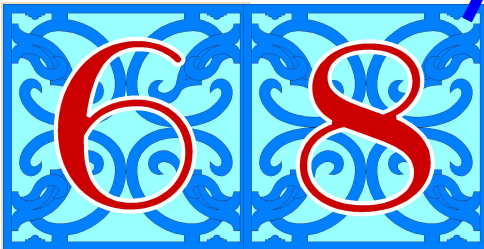
Example of processing



What is a Data ?



- Data comprises of numbers, alphabet, or any other form of data like pictures, sound etc. Some typical examples of data are:



Characteristics of Data



- Data is raw, that is not very meaningful
- Requires processing to be done on them to suit requirements.
- Gets converted into information after processing.

What is a Process?



- the computation done on the data to generate result is called Process. It could be any arithmetic or logical operation done on the data.

□ Example

- addition
- subtraction
- multiplication
- comparisons using operators

like $<, >, =$

What is Information?



data generated after processing of the data
is the ***information***.

Comparative Study Between Data and Information



Data	Information
1. A collection of facts and numbers	1. Organized and arranged data
2. Not of much use	2. Is always useful
3. Gets converted to information	3. Can also get converted to data

How The Computer Process?



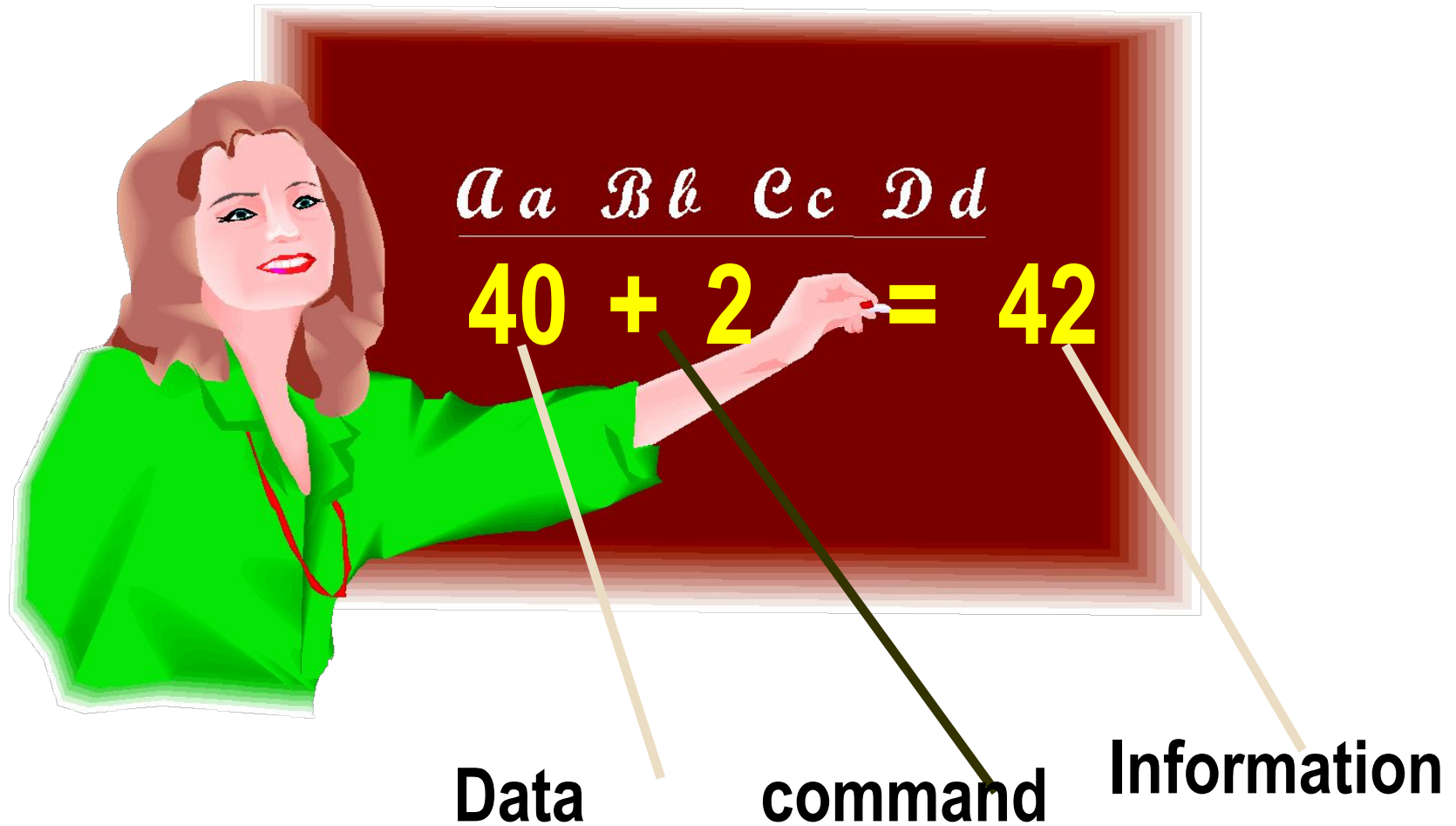
The Computer needs processing instructions to be given to it for performing the computations.

Command: The instruction given is known as a **Command**.

Program: Set of Instruction .

*Group of many related programs is a **software**.*

A command:



Programs & Software



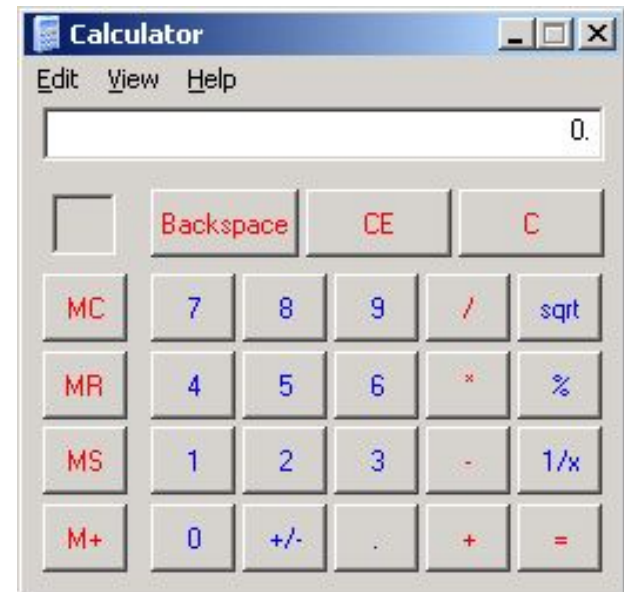
Percentage

$$300 * 70 = 21000$$

$$2100/100 = 210$$

Square Root

$$81 = 9$$





Creating Email Account

yasirbhutta@gmail.com

Assignment 1



- Send email on the following email address

myasir@gudgk.edu.pk

Please add following detail in the contents of email:

- Name
- Program
- Class
- Department
- Last date for submission

Email Accounts



- <http://www.gmail.com/>
- <https://outlook.live.com/>

References



1. <http://en.wikipedia.org/wiki/Computer>