S. Toraighyrov Pavlodar State University

ICT

SOFTWARE

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Lecture 1

INTRODUCTION TO ICT

Lecture 2

INTRODUCTION TO COMPUTER SYSTEMS

Lecture 3

SOFTWARE

Software

Types

Basic concepts of OS

Evolution of operating systems

Classification of desktop applications

Revision

All computers have in common

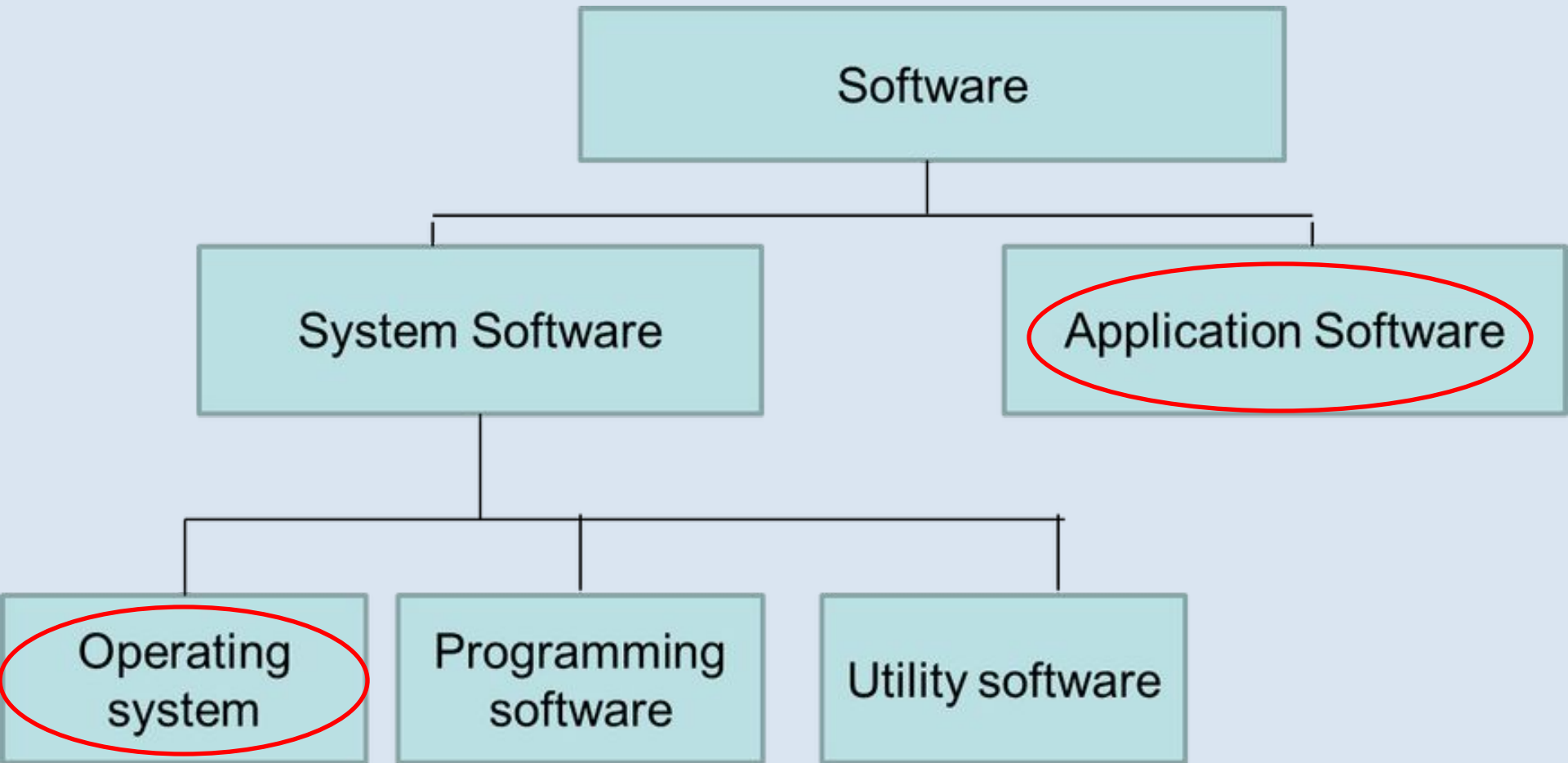| Hardware	Software
is any part of the computer that have physical structure.	is any set of instructions that tells the hardware what to do & how to do.

INTERNAL COMPONENTS	**EXTERNAL COMPONENTS**	**SYSTEMS SOFTWARE**	**APPLICATION SOFTWARE**
THE MOTHERBOARD	MONITOR	OPERATING SYSTEM	DESCTOP APPS
THE PROCESSOR	KEYBOARD	Windows	MOBILE APPS
RAM	MOUSE	Mac OS X	
HARD DISK DRIVE	PRINTER	Linux	
(HDD)	COMPUTER CASING		
…			

What is an operating system?

An **operating system** is the **most important software** that runs on a computer.
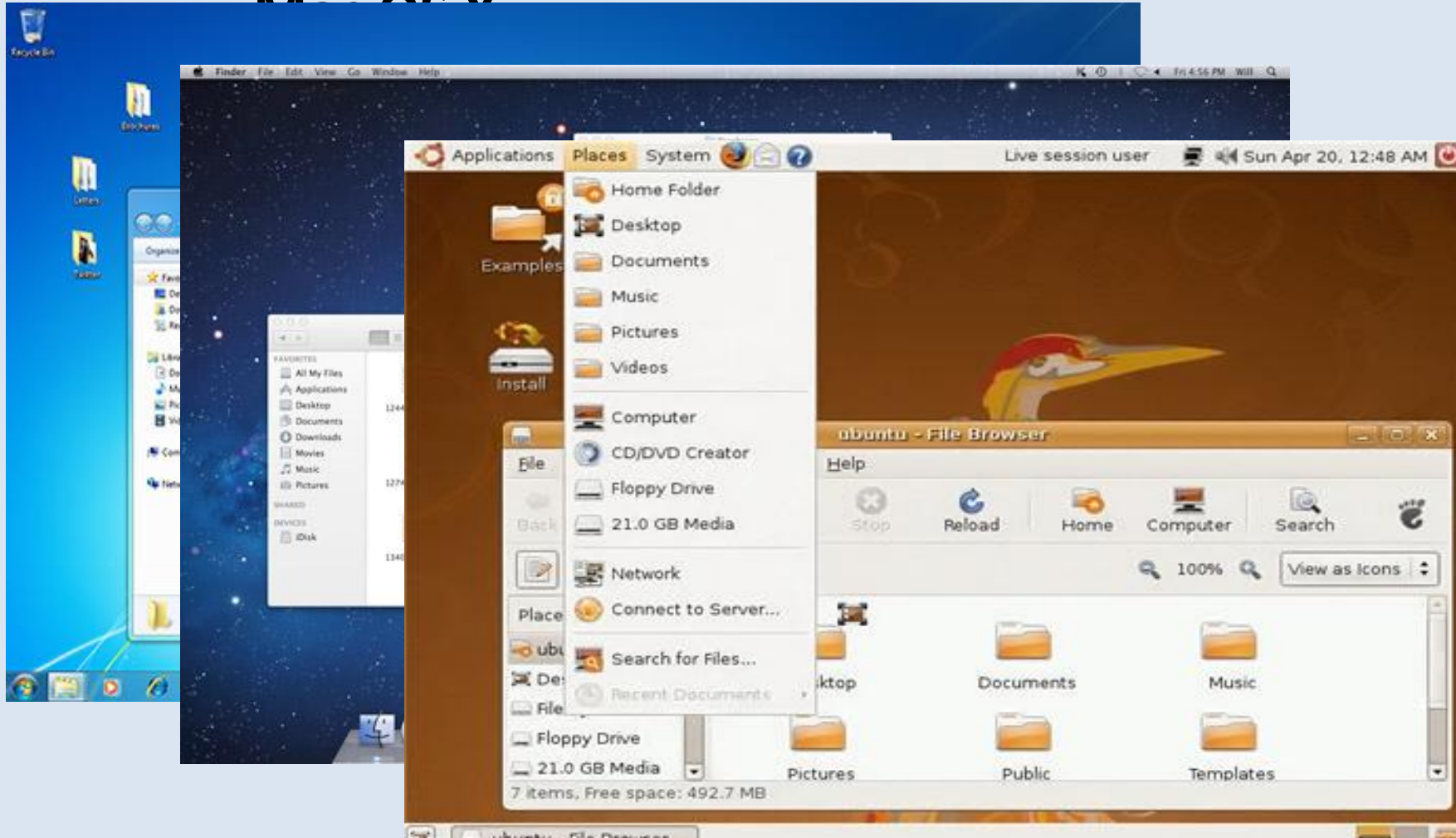
It **manages** the computer's **memory** and **processes**, as well as all of its **software** and **hardware**.

It also **allows** you **to communicate** with the computer without knowing how to speak the computer's language.

Operating systems for desktop and laptop computers

Microsoft Windows

Operating systems for mobile devices

Examples of mobile operating systems include **Apple iOS** and **Google Android**.

Mobile devices such as **phones**, **tablet computers**, and **MP3 players** are different from desktop and laptop computers, so they run operating systems that are designed specifically for mobile devices.

Evolution of operating systems

Microsoft Windows	Mac OS X	Linux
Microsoft created the **Windows** operating system in the mid-1980s.	**Mac OS** is a line of operating systems created by Apple (1984).	**Linux** (1991) is a family of **open-source** operating systems
Windows 10 (2015) **Windows 8** (2012) **Windows 7** (2009) **Windows Vista** (2007).	**OS X** and the specific versions include **El Capitan** (in 2015) **Yosemite** (2014) **Mavericks** (2013) **Mountain Lion** (2012) and **Lion** (2011).	The advantage of Linux is that it is **free**

Software

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What is an application?

Simply put, an **app** is a type of software that allows you to **perform specific tasks**.

Applications for desktop or laptop computers are sometimes called **desktop applications**, while those for mobile devices are called **mobile apps**.

App is a common term for an **application**, especially for **simple applications** that can be downloaded **inexpensively** or even **for free**. Many apps are also available for **mobile devices** and even some **TVs**.

Desktop applications

There are countless desktop applications, and they fall into several categories. Some are more full featured, while others may only do one or two things. Below are just a few types of applications you might use.

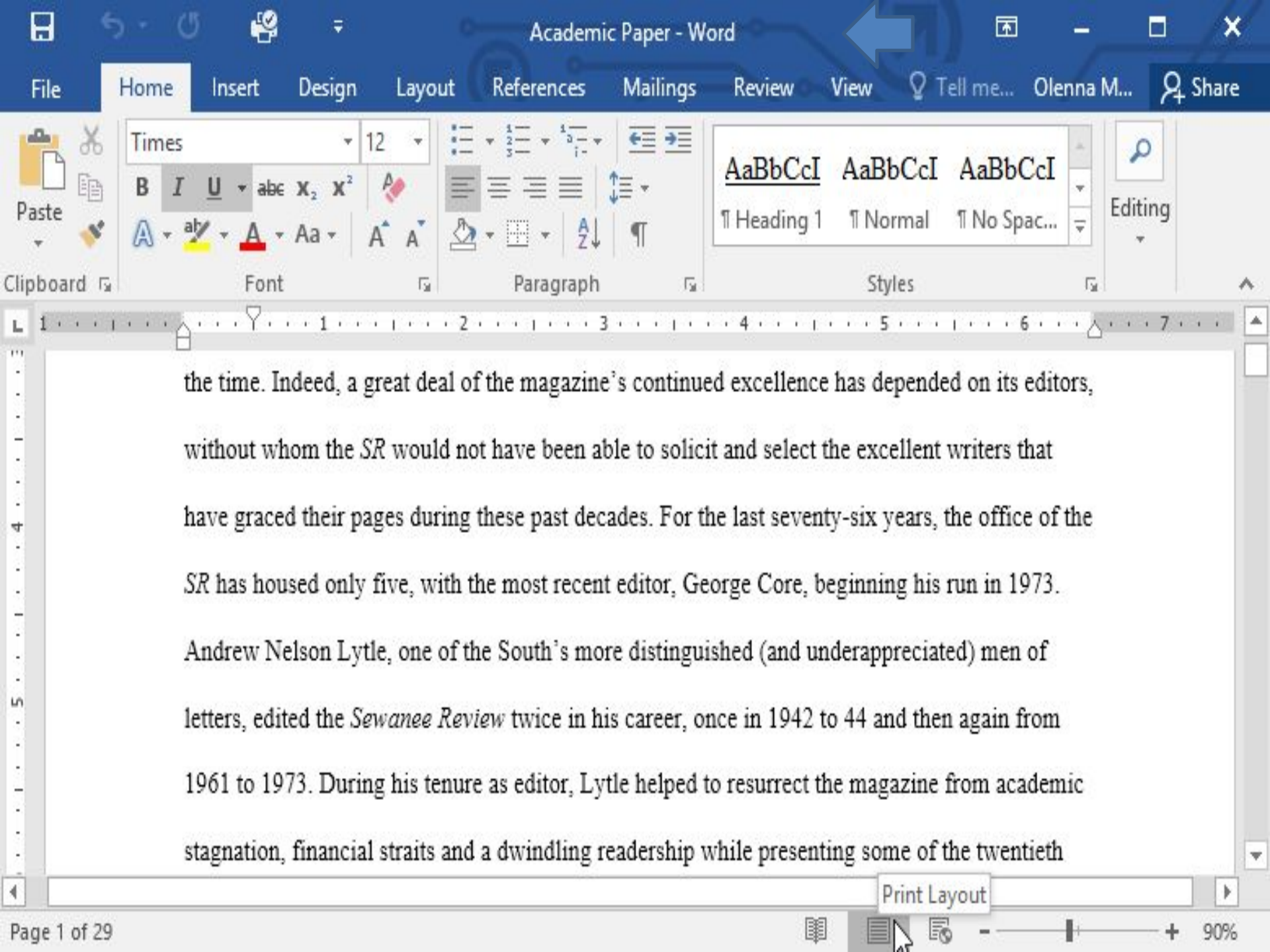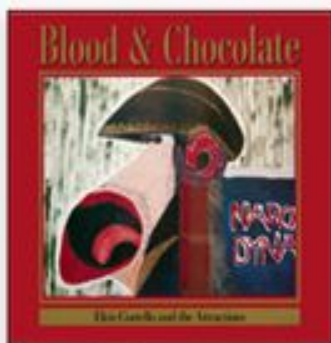| simple	Full featured
(may only do one or two things) **Clock** **Calendar** **Calculator** **…..**	🙂 **Word Processors** (Microsoft Word) 🙂 **Web browsers** (Internet Explorer, Mozilla Firefox, Google Chrome, and Safari) 🙂 **Media players** (Windows Media Player and iTunes) 🙂 **Games**

the time. Indeed, a great deal of the magazine's continued excellence has depended on its editors, without whom the *SR* would not have been able to solicit and select the excellent writers that have graced their pages during these past decades. For the last seventy-six years, the office of the *SR* has housed only five, with the most recent editor, George Core, beginning his run in 1973. Andrew Nelson Lytle, one of the South's more distinguished (and underappreciated) men of letters, edited the *Sewanee Review* twice in his career, once in 1942 to 44 and then again from 1961 to 1973. During his tenure as editor, Lytle helped to resurrect the magazine from academic stagnation, financial straits and a dwindling readership while presenting some of the twentieth

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Misery Is A Butterfly
Blonde Redhead

Blood & Chocolate

Fox Bat Strategy [A...
Fox Bat Strategy

San Francisco - Sin...
The Mowgli's

It Came Upon a Mi...
Norah Jones

⊗   Songs   In the Store

Blood & Chocolate ▶ ⤭ ⊙
Elvis Costello & The Attractions (1986)

🔊	Uncomplicated	3:28
2	I Hope You're Happy Now	3:07
3	Tokyo Storm Warning	6:25
4	Home Is Anywhere You Hang Your Head	5:07
5	I Want You	6:45
6	Honey, Are You Straight Or Are You Blind?	2:09
7	Blue Chair	3:42
8	Battered Old Bird	5:52
9	Crimes Of Paris	4:19
10	Poor Napoleon	3:23
11	Next Time Round	3:36

Mobile apps

You can also download apps for mobile devices like smartphones and tablets.

Gmail: You can use the Gmail app to easily view and send emails from your mobile device. It's available for **Android** and **iOS** devices.

Instagram: You can use Instagram to quickly share photos with your friends and family. It's available for **Android** and **iOS.**

Duolingo: With a combination of quizzes, games, and other activities, this app can help you learn new languages. It's available for **Android** and **iOS .**

Conclusion

Software

- ◆ **Types**
- ◆ **Basic concepts of OS**
- ◆ **Evolution of operating systems**
- ◆ **Classification of desktop applications**

Operating Systems

Most important SOFTWARE	
For Desktop and Laptop Computers	**For mobile devices**
Microsoft Windows Mac OS X Linux …	Apple iOS Google Android
- manages the computer's memory, processes, software, hardware	
- allows to communicate with the computer	

Many thanks for your attention!