

جامعة الإسراء  
Israa University



## دائرة التعليم الإلكتروني



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جامعة الإسراء  
التغيير نحو الاحتراف

كيفية إجراء محاضرة متزامنة للطلاب عبر منصة

**ZOOM**

<https://zoom.us/>

Open Zoom?

https://zoom.us wants to open this application.

Open Zoom

Cancel

19

Launching...

Please click Open Zoom Meetings if you see the system dialog.

If nothing prompts from browser, [click here](#) to launch the meeting, or [download & run Zoom](#).

20

إظهار أدوات التحكم  
نضغط هنا

نقوم بفتح العرض  
التقديمي المراد  
شرحه للطلاب في  
الخلفية

جامعة الإسراء  
Israa University

دائرة التعليم الإلكتروني

جامعة الإسراء  
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Slide 1 of 87 English (United States) 5:20 PM 3/16/2020

Join Audio Start Video Manage Participants New Share Pause Share Annotate More

ID: 585-841-265 Stop Share

Stop Share (Alt+S)

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للشرح باستخدام  
الصوره نضغط هنا

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ID: 956-565-533 Stop Share

ahmed alsalibi

File Home Insert Design Transitions Animations Slide Show Review View Help Nitro Pro Tell me what you want to do

Select a window or an application that you want to share

Basic Advanced Files

Screen Whiteboard iPhone OS Sticky Notes

Chapter 1: Introduction

Chapter 1: Introduction

Chapter 1: Introduction

Chapter 1: Introduction

Chapter 1: Introduction

Snipping Tool Post Attendee - Zoom - Google... Downloads

Share computer sound Optimize Screen Sharing for Video Clip Share

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Notes Comments

5:21 PM 3/16/2020

Whiteboard - Zoom

ID: 385-219-981 Stop Share

ahmed alsalibi

File Home

New Slide Slides Table

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68%

7:37 PM 3/16/2020

سيظهر ماستكته هنا للطلاب مباشرة

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شريط لإضافة الأدوات للشرح وللرسم مثل القلم

Whiteboard - Zoom

ID: 939-624-273 Stop Share

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للرجوع لمشاركة الشاشة نضغط هنا مرة أخرى

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Whiteboard - Zoom

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Whiteboard - Zoom

ID: 939-624-273 Stop Share

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للرجوع لمشاركة الشاشة نضغط هنا مرة أخرى

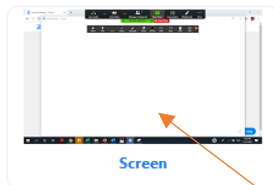
24

Select a window or an application that you want to share

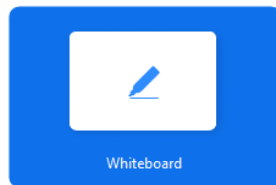
Basic

Advanced

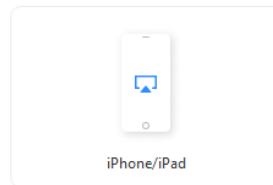
Files



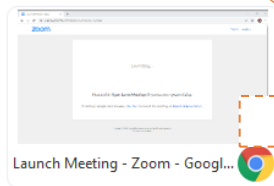
Screen



Whiteboard



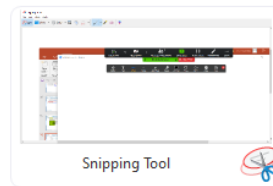
iPhone/iPad



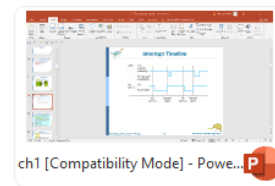
Launch Meeting - Zoom - Google...



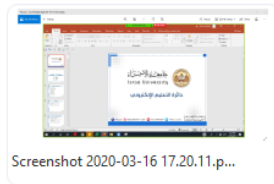
New Microsoft Word Document (...W



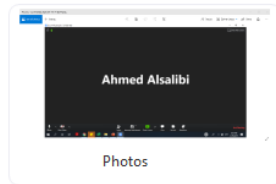
Snipping Tool



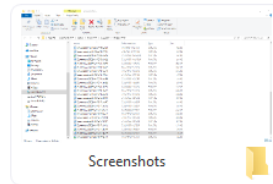
ch1 [Compatibility Mode] - Powe...



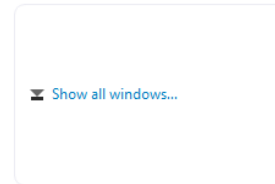
Screenshot 2020-03-16 17.20.11.p...



Photos



Screenshots



Show all windows...

☐ Share computer sound☐ Optimize Screen Sharing for Video Clip

Share

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Help

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 Illustrations  
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 My Add-ins

 Links  
 Link Action  
 Comments  
 Comment

 Text Box  
 Header & Footer  
 WordArt  
 Text

 Data & Charts  
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 Object

 More  
 Chat  
 Invite  
 Record  
 Disable participants annotation  
 Show Names of Annotators  
 Hide Floating Meeting Controls  
 Share  
 Optimize  
 End

 ID: 939-624-273  
 Stop Share

 Join Audio  
 Start Video  
 Manage Participants  
 New Share  
 Pause Share  
 Annotate

 Ahmed Alslibi  
 Share

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 Interrupt Timeline  
 CPU user process executing  
 I/O interrupt processing  
 I/O device idle  
 transferring  
 I/O request  
 transfer done  
 I/O request  
 transfer done

 Operating System Concepts - 9th Edition  
 1.18  
 Silberschatz, Galvin and Gagne ©2013

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 English (United States)  
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 Comments  
 68%  
 7:50 PM  
 3/16/2020

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 لتسجيل المحاضرة للطلبة الغير قادرين  
 على حضورها بشكل متزامن

جامعة أم درمان الإسلامية

Microsoft PowerPoint interface showing a presentation slide titled "Interrupt Timeline". The slide content includes a diagram of an interrupt timeline with a recording alert box overlaid. The alert box contains the text: "Recording will not include audio. To include audio in the recording, click 'Join Audio'". The "Join Audio" button is highlighted with a red circle and the number 29. A dashed orange box contains the Arabic text: "لتفعيل المايك لتسجيل الصوت". The slide footer includes "Operating System Concepts – 9th Edition", "1.18", and "Silberschatz, Galvin and Gagne ©2013".

Microsoft PowerPoint interface showing a presentation slide titled "Join Audio". The slide content includes a diagram of an interrupt timeline with a "Join Audio" dialog box overlaid. The dialog box contains the text: "Join with Computer Audio" and "Test Speaker and Microphone". The "Join with Computer Audio" button is highlighted with a red circle and the number 30. A dashed orange box contains the Arabic text: "لاستخدام المايك الخاص بالحاسوب". Below the dialog box, there is a checkbox labeled "Automatically join audio by computer when joining a meeting" which is checked. The slide footer includes "Operating System Concepts – 9th Edition", "1.18", and "Silberschatz, Galvin and Gagne ©2013".

File Home Insert Design Transitions Animations Mute Start Video Manage Participants New Share Pause Share Annotate ID: 939-624-273 Stop Share 31

لإيقاف عملية المشاركة مؤقتاً مع الطلاب

## Interrupt Handling

- The **operating system** preserves the state of the CPU by storing registers and the program counter

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لتفعيل عملية المشاركة مجدداً

## Interrupt Handling

- The **operating system** preserves the state of the CPU by storing registers and the program counter

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Free up space  
Help Storage Sense clean more. Enable the removal of unused local cloud-backed content from your device. Click here to learn more.  
Enable Dismiss

Slide 17 of 86 English (United States) 7:55 PM 3/16/2020



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ID: 939-624-273 Stop Share

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إظهار شريط الأدوات المساعدة لعملية الشرح  
كاستخدام القلم مثلاً

## Storage Definitions and Units

The basic unit of computer storage is the **bit**. A bit can contain one of two values, 0 and 1. All other storage in a computer is based on collections of bits. Given enough bits, it is amazing how many things a computer can represent: numbers, letters, images, movies, sounds, documents, and programs, to name a few. **A byte is 8 bits**, and on most computers it is the smallest convenient chunk of storage. For example, most computers don't have an instruction to move a bit but do have one **to move a byte**. A less common term is **word**, which is a given computer architecture's native unit of data. A word is made up of one or more bytes. **For example, a computer that has 64-bit registers and 64-bit memory addressing typically has 64-bit (8-byte) words.** A computer executes many operations in its native word size rather than a byte at a time.

Computer storage, along with most computer throughput, is generally measured and manipulated in bytes and collections of bytes.

A **kilobyte**, or **KB**, is 1,024 bytes  
 a **megabyte**, or **MB**, is 1,024 K bytes  
 a **gigabyte**, or **GB**, is 1,024 M bytes  
 a **terabyte**, or **TB**, is 1,024 G bytes  
 a **petabyte**, or **PB**, is 1,024 P bytes

Computer manufacturers often round off these numbers and say that a megabyte is 1 million bytes and a gigabyte is 1 billion bytes. **Networking measurements are an exception to this general rule; they are given in bits (because networks move data a bit at a time).**

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ID: 939-624-273

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للتحكم في الطلاب كالسماع لهم بالحديث والتفاعل معهم

سيظهر هنا قائمة الطلاب المتواجدين في الصف الافتراضي

Participants (1)  
 AA Ahmed Alslibi (Host, me)

Mute All Unmute All More

## Storage Definitions and Units

tain one of two  
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allest convenient  
an instruction to

a **gigabyte**, or **GB**, is 1,024 M bytes  
 a **terabyte**, or **TB**, is 1,024 G bytes  
 a **petabyte**, or **PB**, is 1,024 P bytes

Computer manufacturers often round off these numbers and say that a megabyte is 1 million bytes and a gigabyte is 1 billion bytes. **Networking measurements are an exception to this general rule; they are given in bits (because networks move data a bit at a time).**

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ID: 939-624-273 Stop Share

Chat Invite Pause Recording Stop Recording Disable participants annotation Show Names of Annotators Hide Floating Meeting Controls Ctrl+ Alt+ Shift+H Share computer sound Optimize Share for Full-screen Video Clip End Meeting Alt+Q

23 24 25 26 27

How a Modern Computer Works

1. **Increased throughput.** By increasing the number of processors, we expect to get more work done in less time. The speed-up ratio with  $N$  processors is not  $N$ , however; rather, it is less than  $N$ . When multiple processors cooperate on a task, a certain amount of overhead is incurred in keeping all the parts working correctly. This overhead, plus contention for shared resources, lowers the expected gain from additional processors. Similarly,  $N$  programmers working closely together do not produce  $N$  times the amount of work a single programmer would produce.

2. **Economy of scale.** Multiprocessor systems can cost less than equivalent multiple single-processor systems, because they can share peripherals, mass storage, and power supplies. If several programs operate on the same set of data, it is cheaper to store those data on one disk and to have all the processors share them than to have many copies of the data.

3. **Increased reliability.** If functions can be distributed among several processors, then the failure of one processor in a system, only slow it down. If we have ten processors, each of the remaining nine processors can pick up a share of the work of the failed processor. Thus, the entire system runs only 10 percent slower, rather than failing altogether.

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إنهاء المحاضرة وتحميل تسجيل المحاضرة المسجلة على جهازك الشخصي ليتم فيما بعد رفعها لبقية الطلاب

File Home Insert Design Transitions Animations Slide Show Review View Help Nitro Pro Tell me what you want to do

ID: 939-624-273 Stop Share

ahmed alsalibi

Find Replace Select

23 24 25 26 27

How a Modern Computer Works

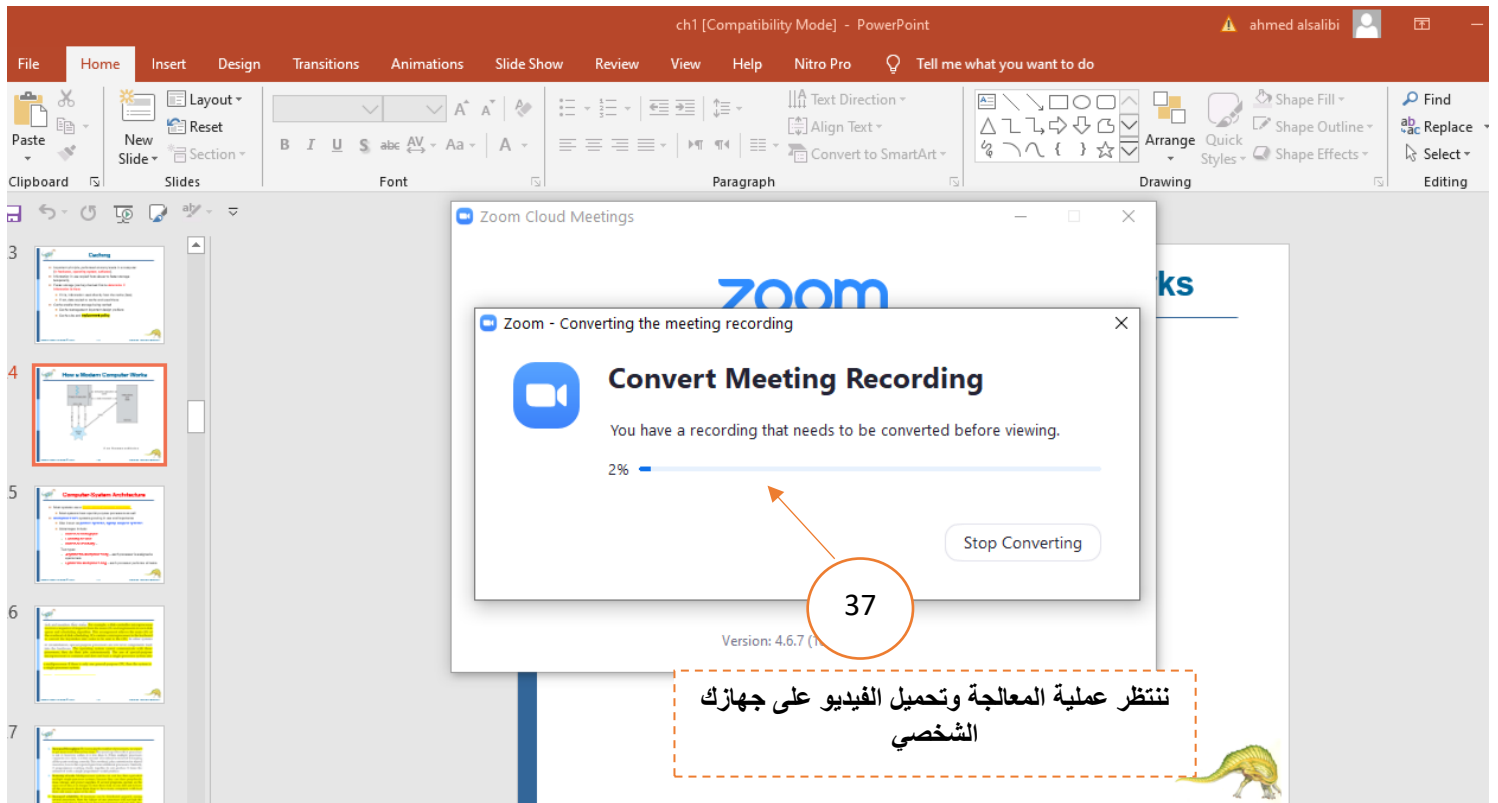
End Meeting or Leave Meeting?

To keep this meeting running, please assign a Host.

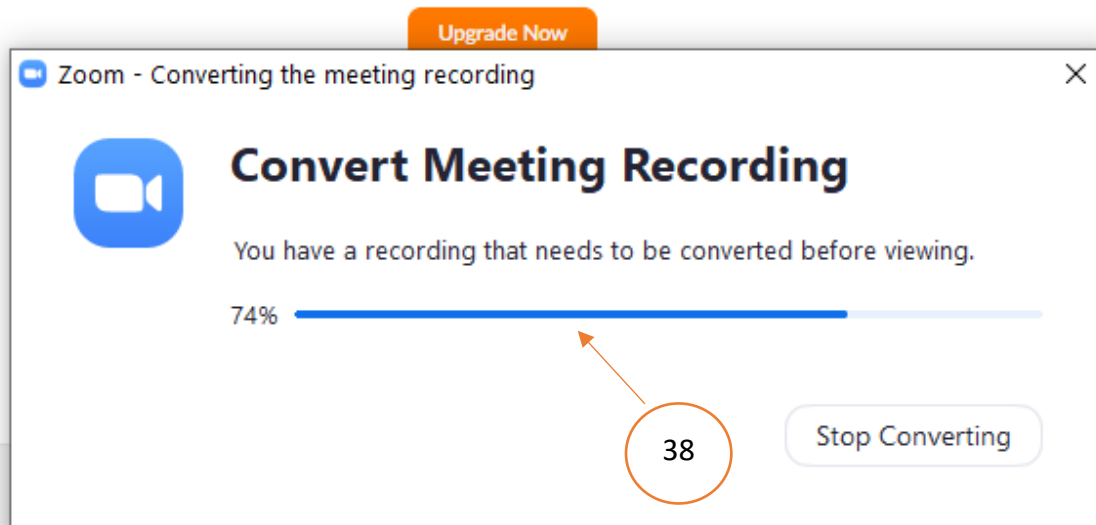
End Meeting for All Leave Meeting Cancel

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إنهاء المحاضرة وتحميل تسجيل المحاضرة على جهازك الشخصي ليتم فيما بعد رفعها لبقية الطلاب



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