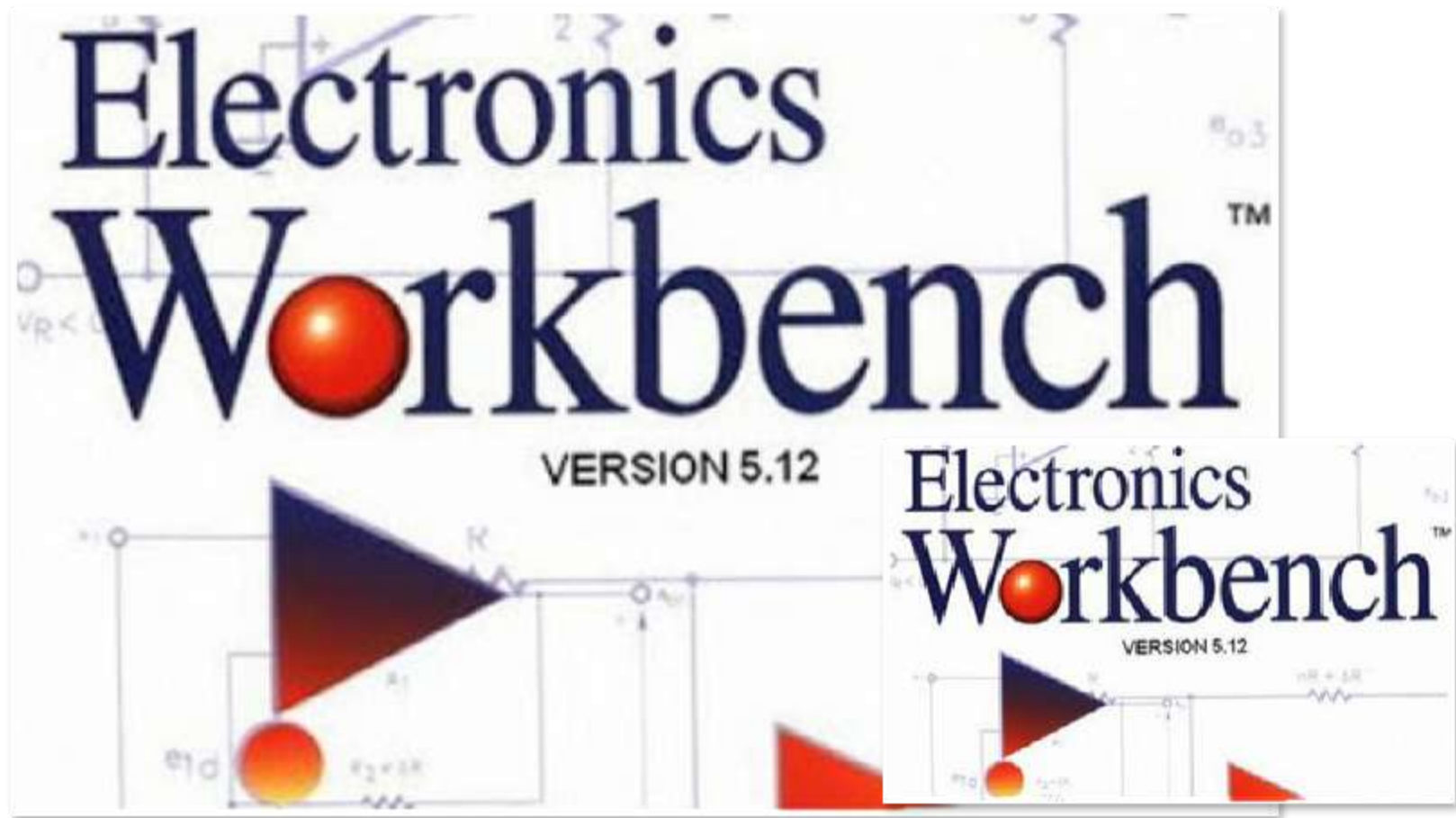


[شرح برنامج عمل الدوائر الكهربائية والالكترونية]

Electronic Workbench 5.12



نبذة عن المؤلف

الاسم :- طارق الراوي

السكن : العراق - محافظة الانبار - قضاء راوه

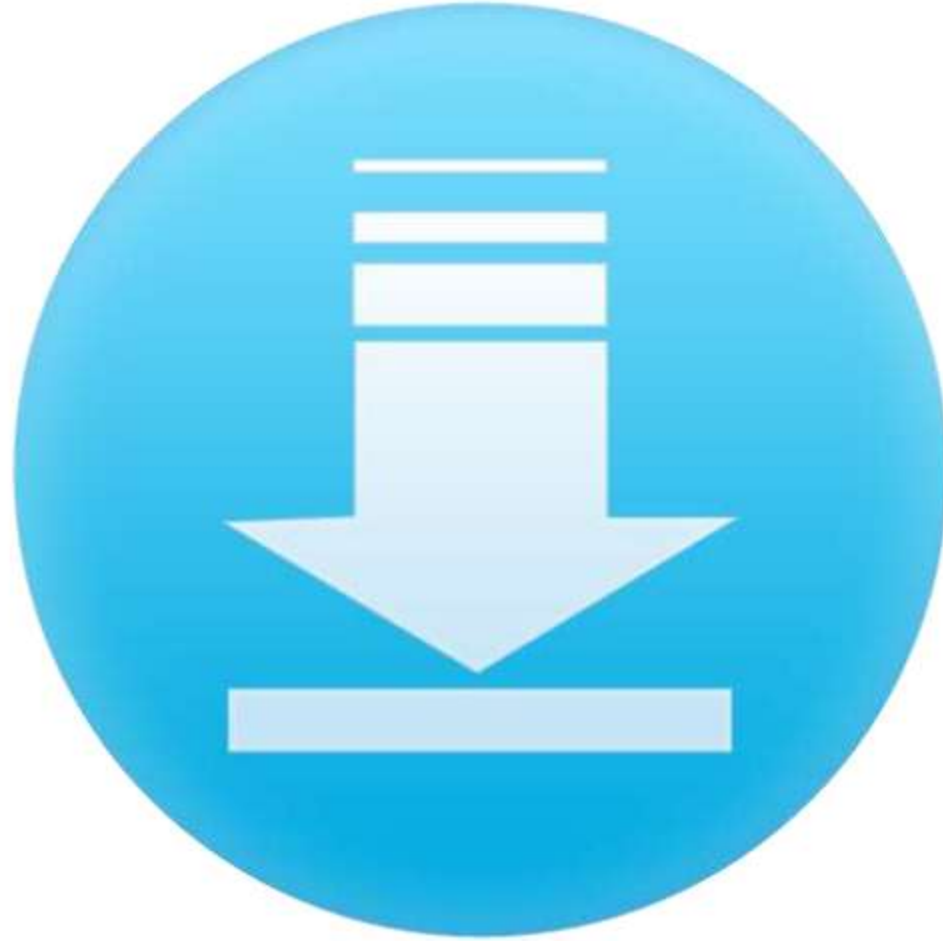
العمل : مبرمج نظم حاسوب محترف

التولد :- ١٩٨٩

التحصيل الدراسي :- دبلوم / نظم حاسوب

البريد الالكتروني :- tarekalrawi@yahoo.com

رقم الموبايل :- +٩٦٤٧٨٠٠٥٩٢٧١٩



<http://www.gulfup.com/?DBeVjc>

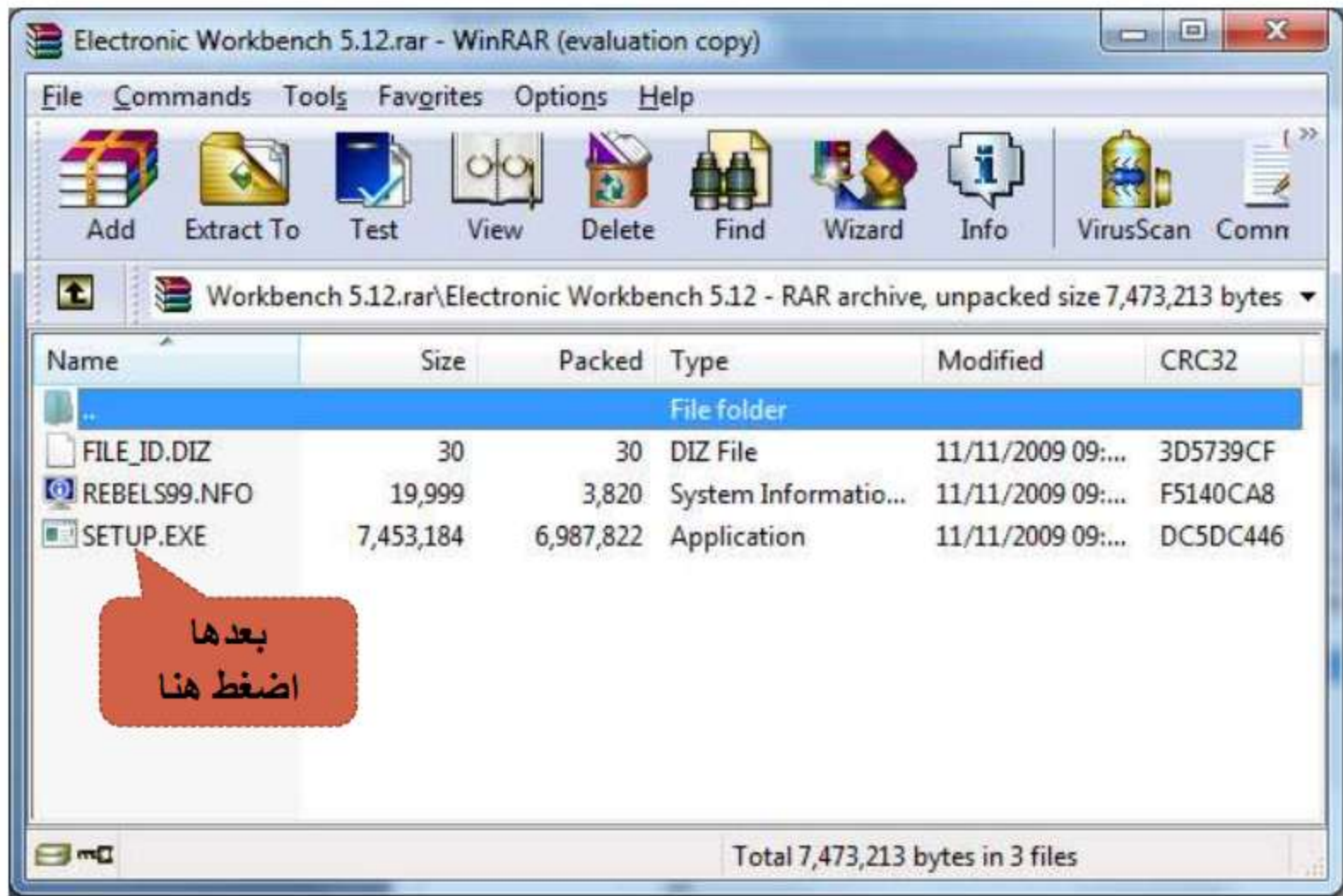
لتحميل البرنامج اضغط على الرابط :

كيفية تنصيب البرنامج

Electronics Workbench







Electronic Workbench 5.12.rar - WinRAR (evaluation copy)

File Commands Tools Favorites Options Help



Workbench 5.12.rar\Electronic Workbench 5.12 - RAR archive, unpacked size 7,473,213 bytes

Name	Size	Packed	Type	Modified	CRC32
..			File folder		
FILE_ID.DIZ	30	30	DIZ File	11/11/2009 09:...	3D5739CF
REBELS99.NFO	19,999	3,820	System Informatio...	11/11/2009 09:...	F5140CA8
SETUP.EXE	7,453,184	6,987,822	Application	11/11/2009 09:...	DC5DC446

بعدها
اضغط هنا



Total 7,473,213 bytes in 3 files

Electronics Workbench V5.12



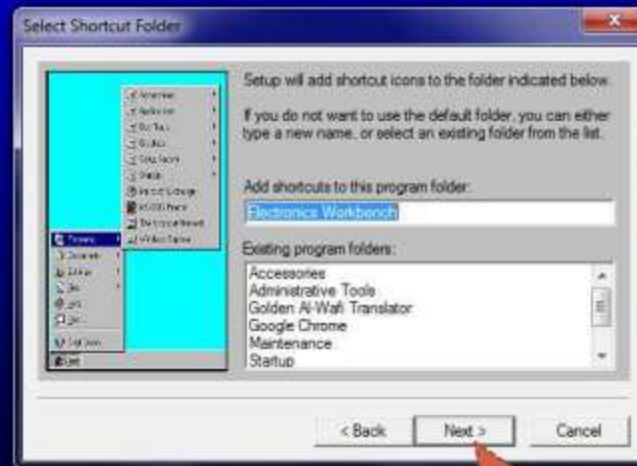
ثم
اضغط هنا

Electronics Workbench V5.12



ثم
اضغط هنا

Electronics Workbench V5.12



وتم
اضغط هنا

Electronics Workbench V5.12



اضغط هنا للانتهاء

انتظر قليلاً

Setup

Electronics Workbench V5.12



Electronics Workbench V5.12



تم الانتهاء من
تثبيت البرنامج

كيفية الدخول إلى برنامج Electronics Workbench



START



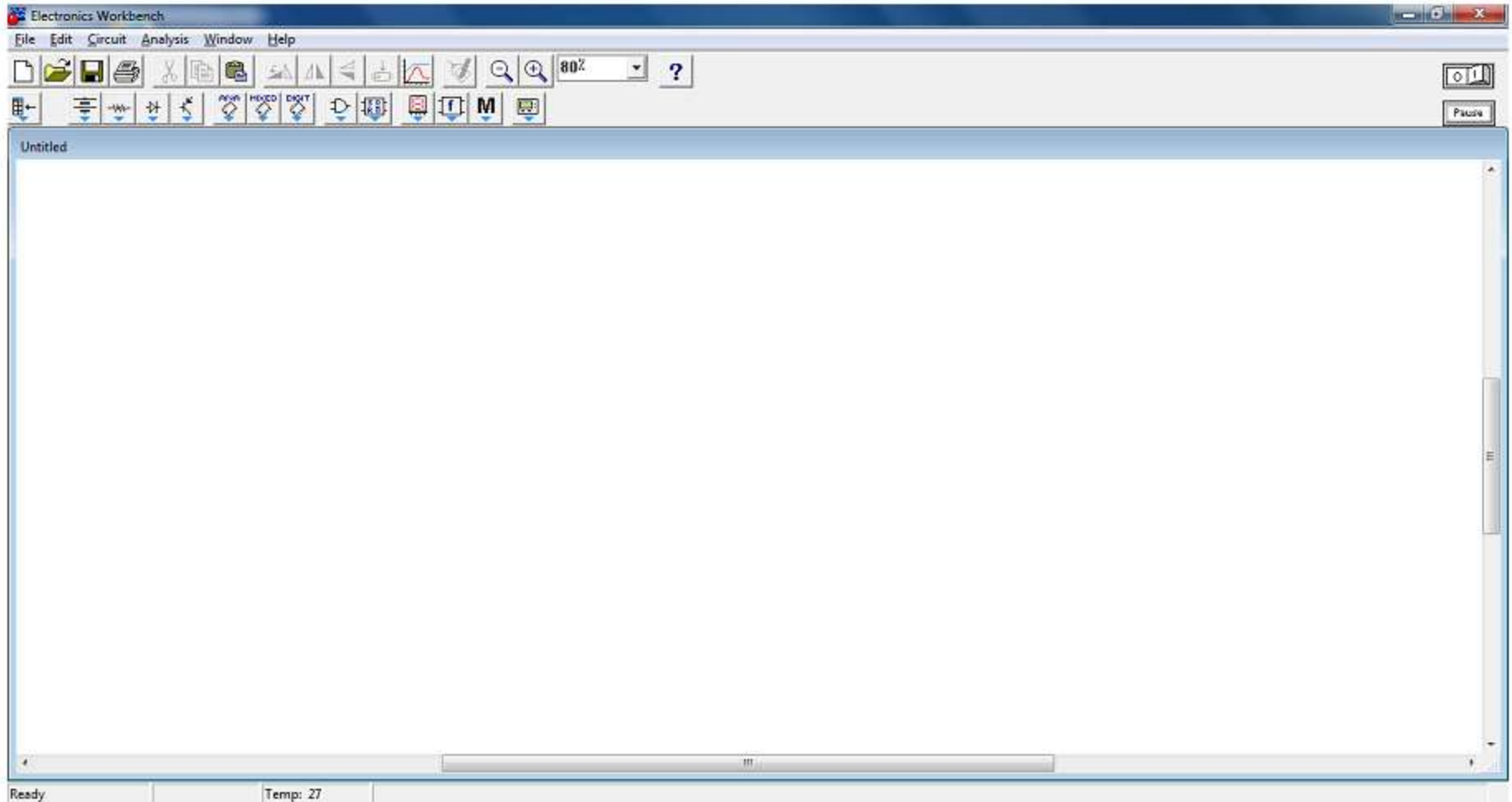
ALL PROGRAM



ELECTRONICS WORKBENCH



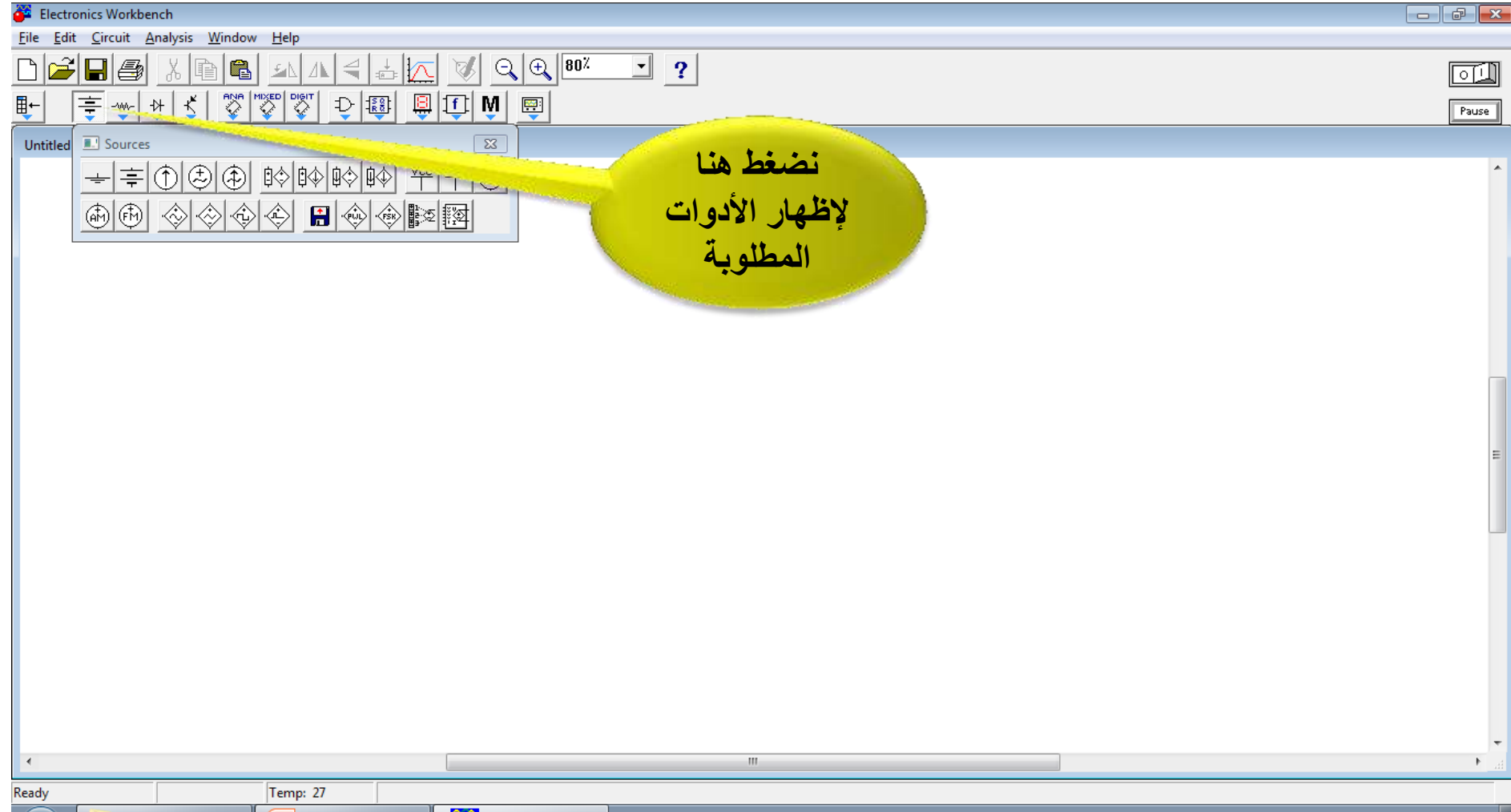
الواجهة الرئيسية للبرنامج



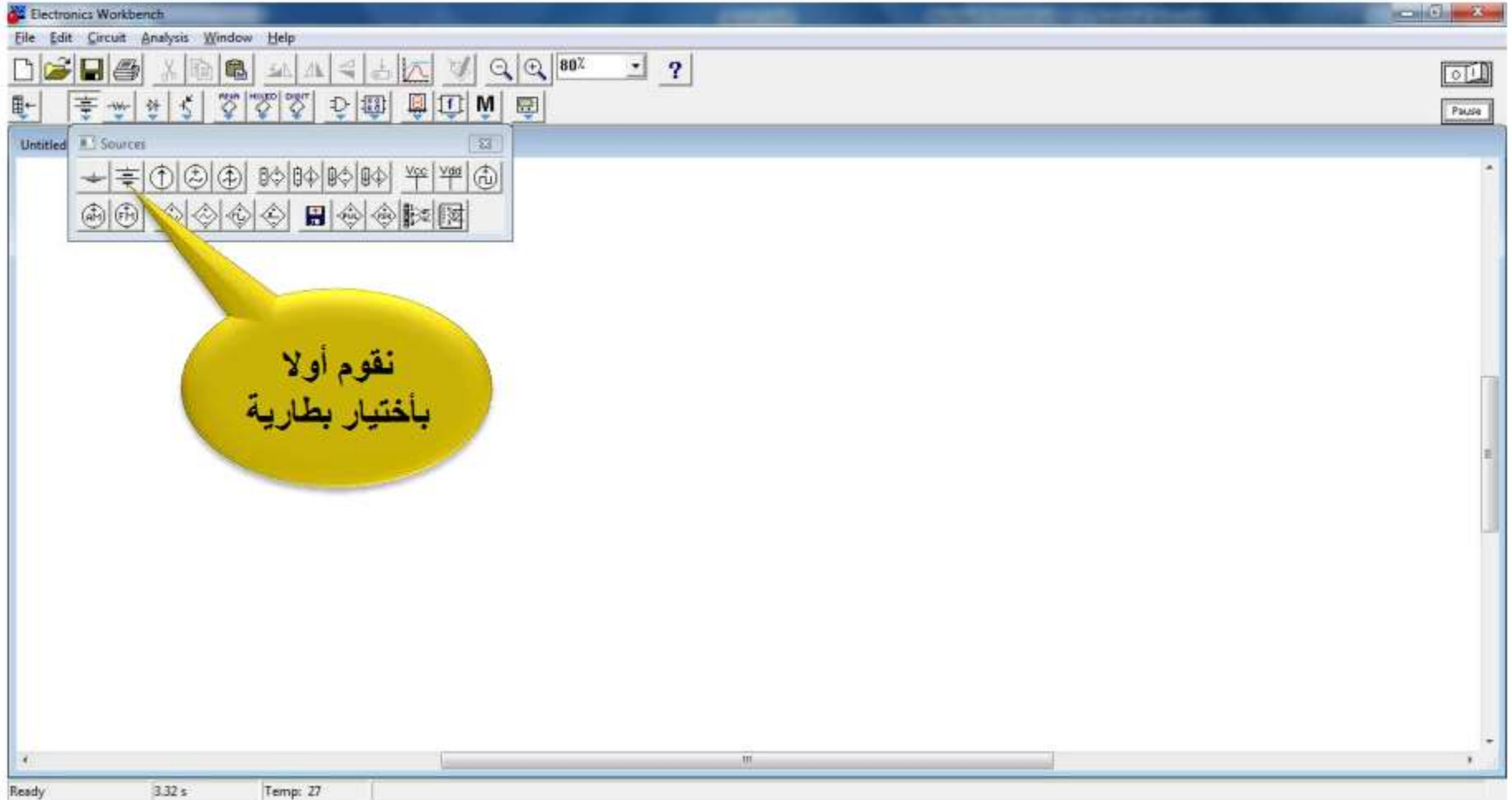


مثال بسيط وعام للتعرف على البرنامج وكيفية استخدام الأدوات

نضغط هنا
لإظهار الأدوات
المطلوبة



مثال بسيط وعام للتعرف على البرنامج وكيفية استخدام الأدوات



The screenshot shows the Electronics Workbench software interface. The window title is "Electronics Workbench". The menu bar includes "File", "Edit", "Circuit", "Analysis", "Window", and "Help". The toolbar contains various icons for file operations, editing, and simulation. A "Sources" panel is open, displaying a grid of electronic components. A yellow callout bubble points to a battery symbol in the Sources panel. The bubble contains the text "نقوم أولاً بأختيار بطارية". The status bar at the bottom shows "Ready", "3.32 s", and "Temp: 27".

نقوم أولاً
بأختيار بطارية

Electronics Workbench

File Edit Circuit Analysis Window Help

80%

Untitled

Indicators

12V

وختار أيضاً
مصباح

Ready 3.32 s Temp: 27

Electronics Workbench

File Edit Circuit Analysis Window Help

80%

Untitled

12 V

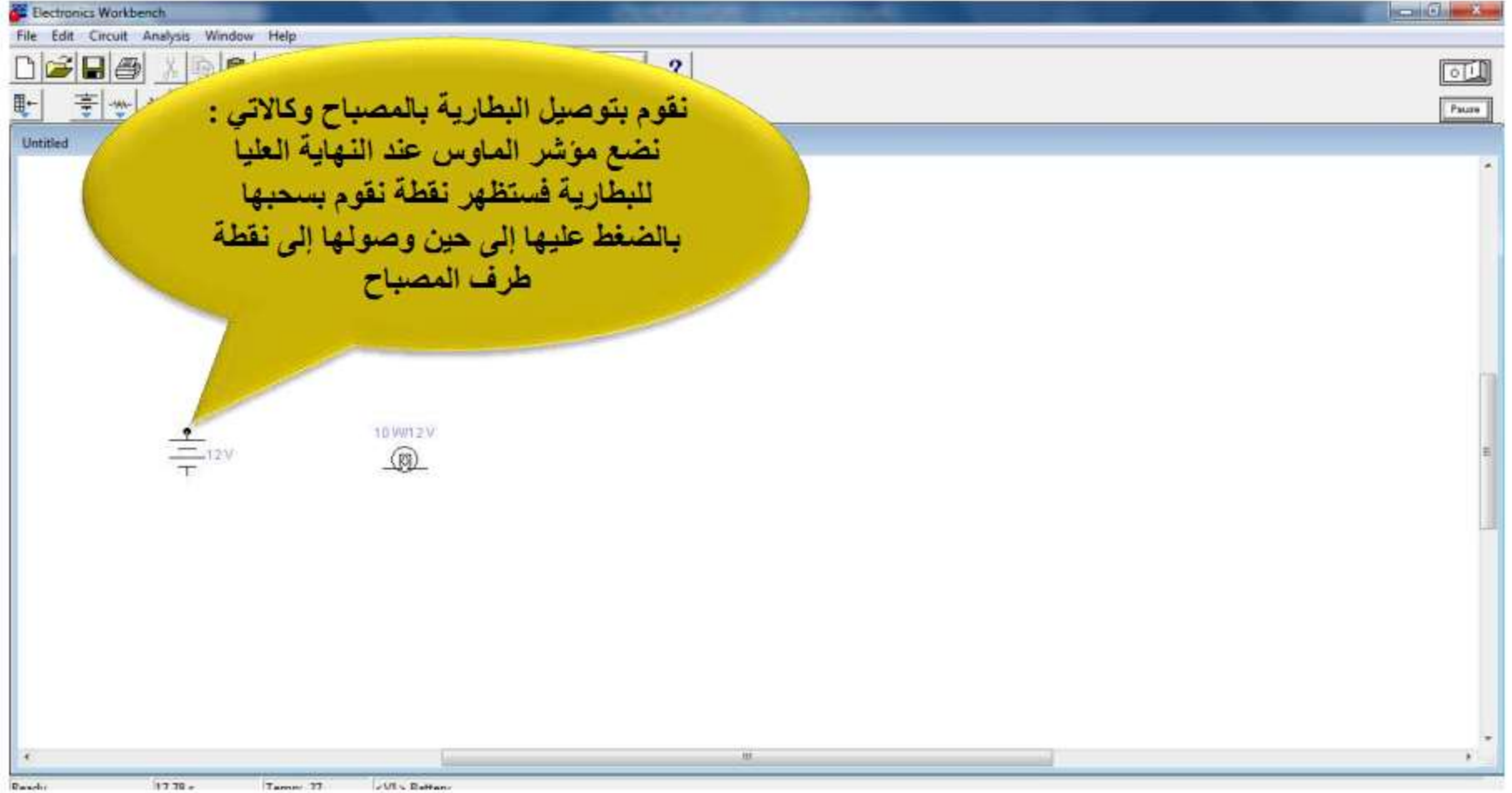
10 W/12 V

لا حظ

لا حظ

Ready 17.78 s Temp: 27

Detailed description: The image shows a screenshot of the Electronics Workbench software interface. The main workspace contains a simple circuit diagram. On the left, there is a DC voltage source labeled '12 V'. To its right is a lamp component labeled '10 W/12 V'. Two yellow callout bubbles with the Arabic text 'لا حظ' (Attention) are positioned below each component, pointing towards them. The software's menu bar includes 'File', 'Edit', 'Circuit', 'Analysis', 'Window', and 'Help'. The toolbar contains various icons for file operations, editing, and simulation. The status bar at the bottom shows 'Ready', a time of '17.78 s', and a temperature of 'Temp: 27'.



نقوم بتوصيل البطارية بالمصباح وكالاتي :
نضع مؤشر الماوس عند النهاية العليا
للبطارية فستظهر نقطة نقوم بسحبها
بالضغط عليها إلى حين وصولها إلى نقطة
طرف المصباح

Electronics Workbench

File Edit Circuit Analysis Window Help

80%

Untitled

12V

10W/12V

لاحظ هكذا

Ready 17.78 s Temp: 27 <R1> Bulb

The image shows a screenshot of the Electronics Workbench software interface. The main workspace contains a simple circuit diagram with a 12V DC voltage source on the left and a 10W/12V incandescent bulb on the right, connected by a single wire. A yellow speech bubble with a tail pointing to the bulb contains the Arabic text 'لاحظ هكذا' (Notice like this). The software's status bar at the bottom shows 'Ready', a simulation time of '17.78 s', a temperature of 'Temp: 27', and the selected component '<R1> Bulb'. The top menu bar includes 'File', 'Edit', 'Circuit', 'Analysis', 'Window', and 'Help'. The toolbar contains various icons for file operations, editing, and simulation, with a zoom level of 80% and a 'Pause' button visible.



وكذلك نقوم
بتوصيل طرفي كلاً
من البطارية
والمصباح الآخرين
ببعضهما



Electronics Workbench

File Edit Circuit Analysis Window Help

80%

Untitled

وكذلك لضبط المصباح
نقوم بالضغط على
المصباح بالزر الأيمن
للماوس

12 V

18 W/12

Component Properties...
Cut
Copy
Delete
Rotate
Flip Vertical
Flip Horizontal
Help

17.78
Temp: 37
P1: Bulb

The image shows a screenshot of the Electronics Workbench software interface. The window title is "Electronics Workbench" and the menu bar includes "File", "Edit", "Circuit", "Analysis", "Window", and "Help". The toolbar contains various icons for file operations, editing, and simulation. The main workspace, titled "Untitled", displays a simple circuit diagram. On the left, there is a 12V DC voltage source. A wire connects the positive terminal of the source to the left terminal of a component labeled "18 W/12", which represents a light bulb. A right-click context menu is open over the bulb component, listing options: "Component Properties...", "Cut", "Copy", "Delete", "Rotate", "Flip Vertical", "Flip Horizontal", and "Help". A yellow speech bubble is overlaid on the circuit, containing the Arabic text: "وكذلك لضبط المصباح نقوم بالضغط على المصباح بالزر الأيمن للماوس". At the bottom of the window, a status bar shows "17.78", "Temp: 37", and "P1: Bulb".

Electronics Workbench

File Edit Circuit Analysis Window Help

80% ?

Untitled

12V

18 W/12 V

1.74 s | Temp: 27

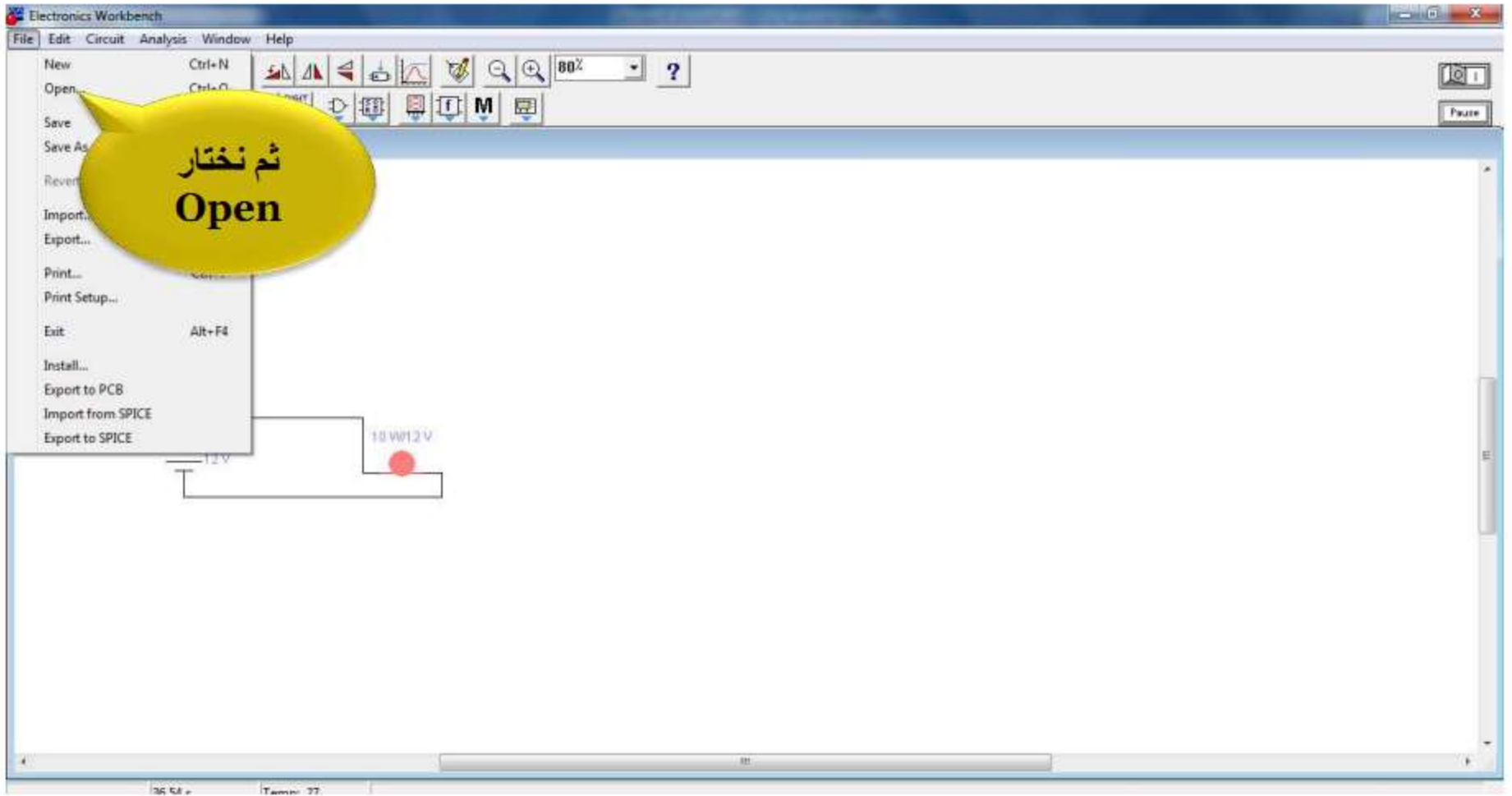
Pause

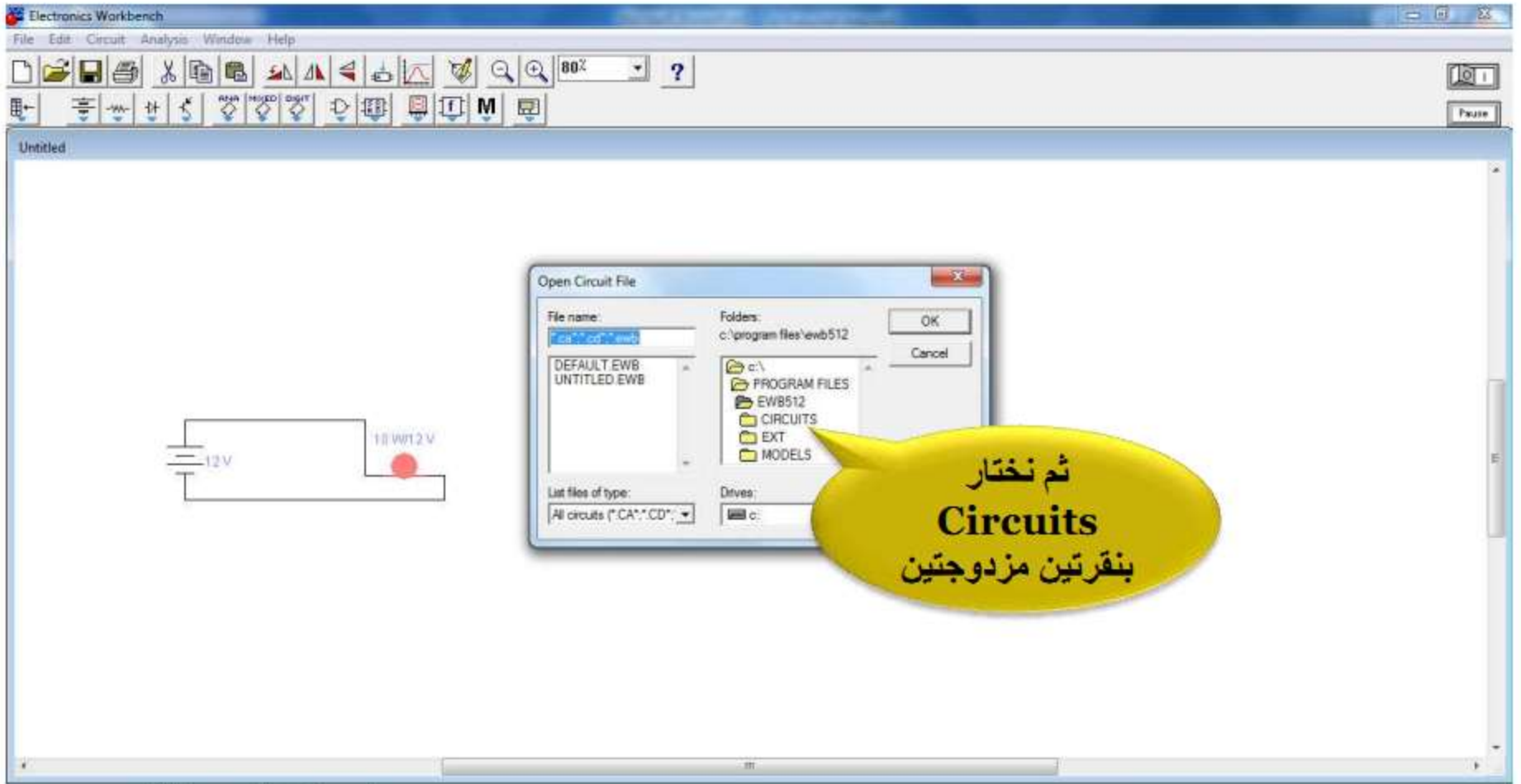
بعد ذلك نقوم بتشغيل الدائرة من هنا

فسنلاحظ أن المصباح قد عمل بصورة صحيحة

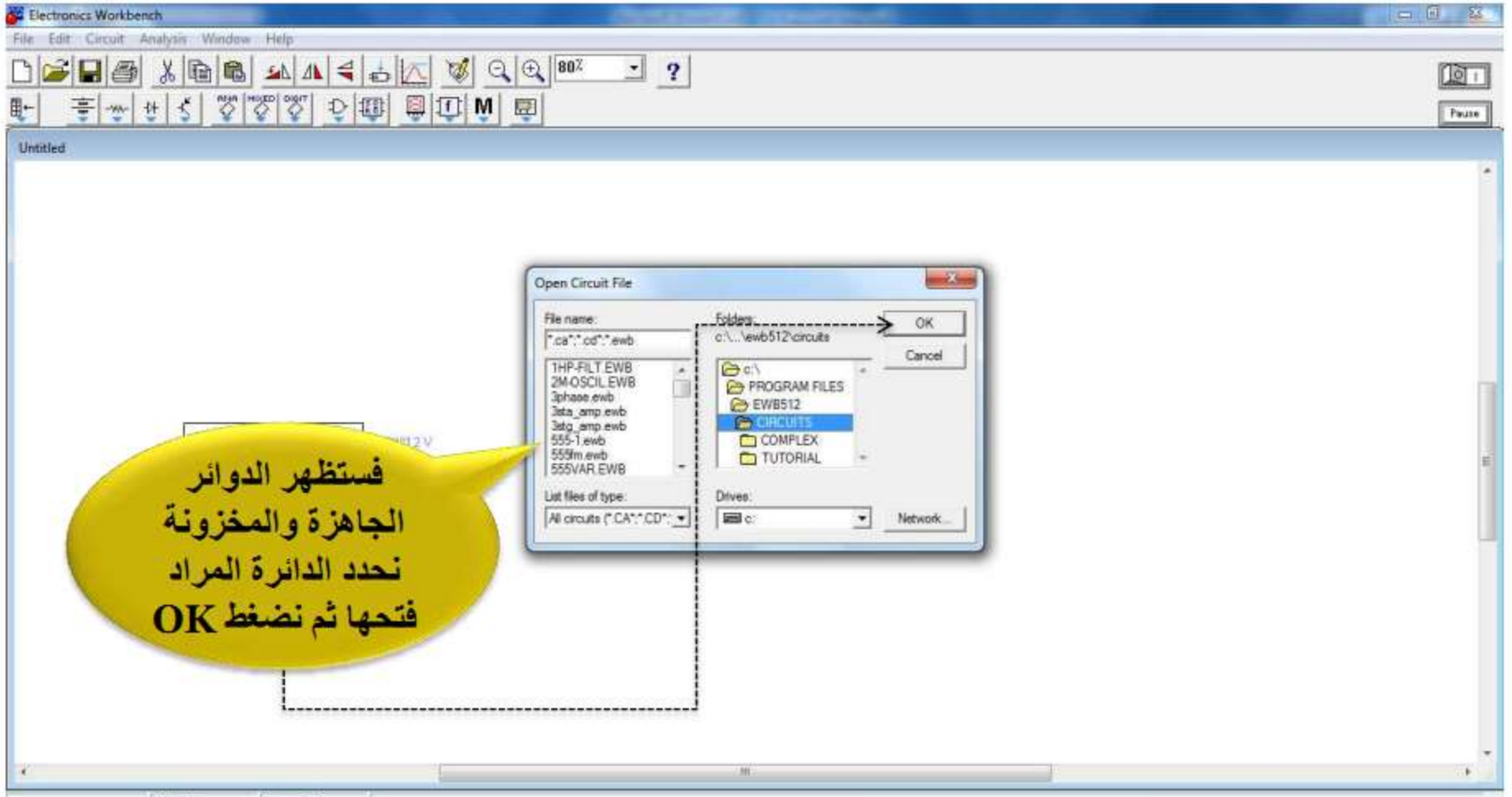
لتشغيل دوائر جاهزة ومخزونة في البرنامج نتبع الاتي

The screenshot displays the Electronics Workbench software interface. The title bar reads "Electronics Workbench". The menu bar includes "File", "Edit", "Circuit", "Analysis", "Window", and "Help". The toolbar contains various icons for file operations, editing, and simulation, along with a zoom level of 80% and a help icon. A yellow callout bubble with the text "نختار File" (We choose File) points to the File menu. The File menu is open, showing options: "Import...", "Export...", "Print..." (with shortcut Ctrl+P), "Print Setup...", "Exit" (with shortcut Alt+F4), "Install...", "Export to PCB", "Import from SPICE", and "Export to SPICE". The main workspace shows a circuit diagram with a 12V DC source and a 10W/12V component. The status bar at the bottom indicates "Page 4" and "Temp: 77".





ثم نختار
Circuits
بنقرتين مزدوجتين

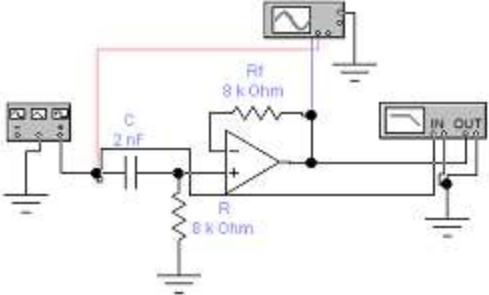


Electronics Workbench

File Edit Circuit Analysis Window Help

80%

1HP-FILT.EWB



نلاحظ ظهور دائرة كاملة نقوم بفتحها بالضغط على زر التشغيل من هنا

Description

This first-order high-pass filter has a cutoff frequency of about 10 kHz. The filter attenuates all signals below the cutoff frequency and passes all signals above it. Start the simulation by clicking on the switch in the top-right corner. Drag the cross-hairs on the left

Ready Temp: 27

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

لا تنسوا أخوتكم بالله من صالح دعائكم