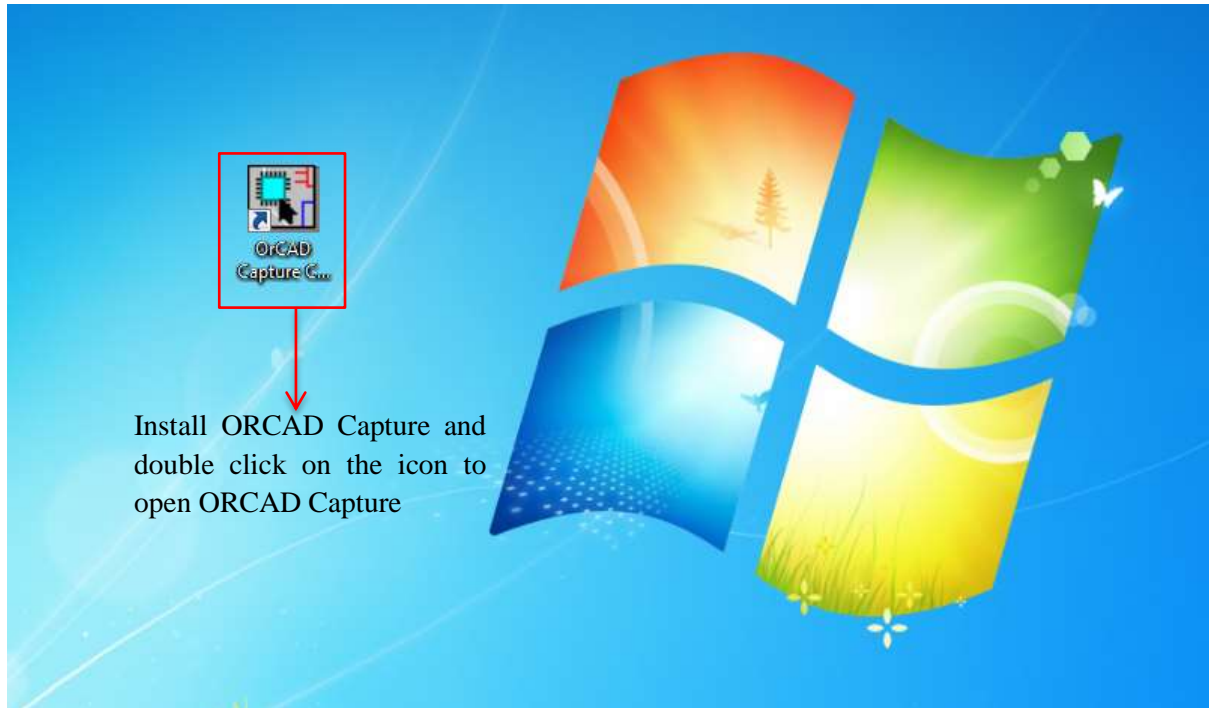


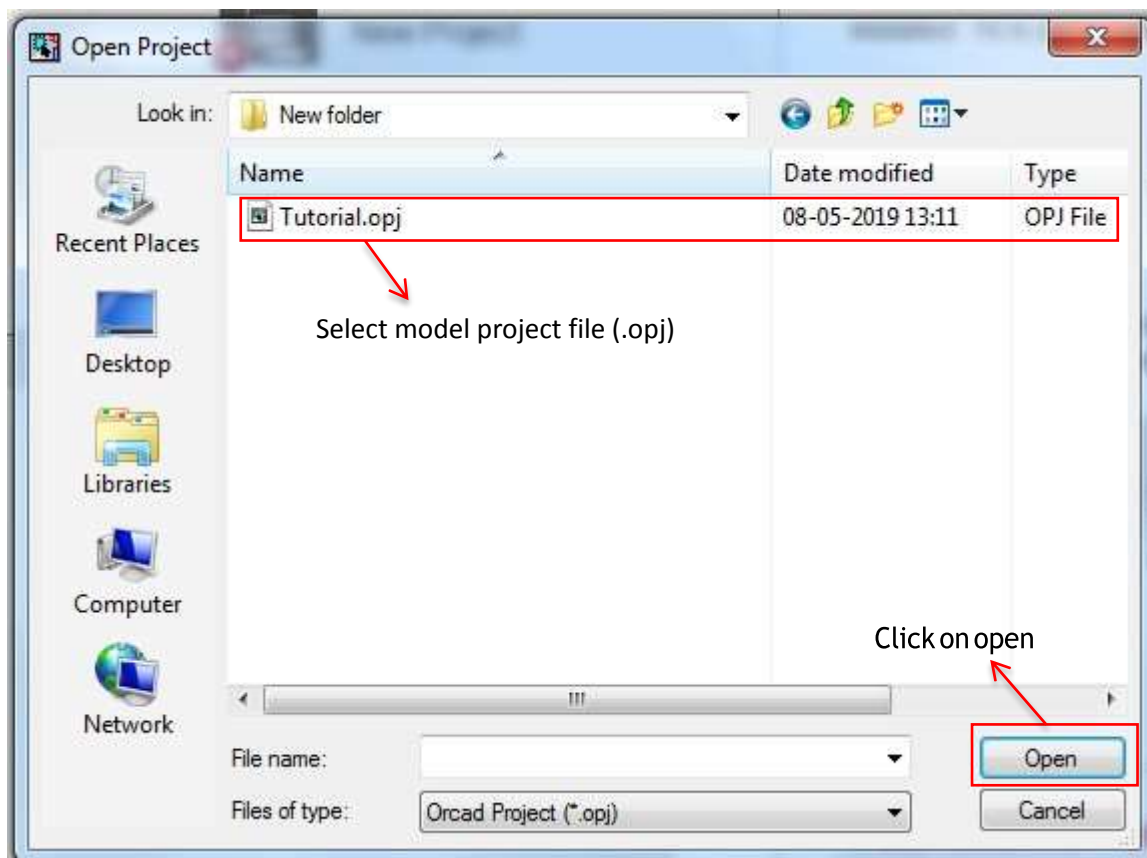
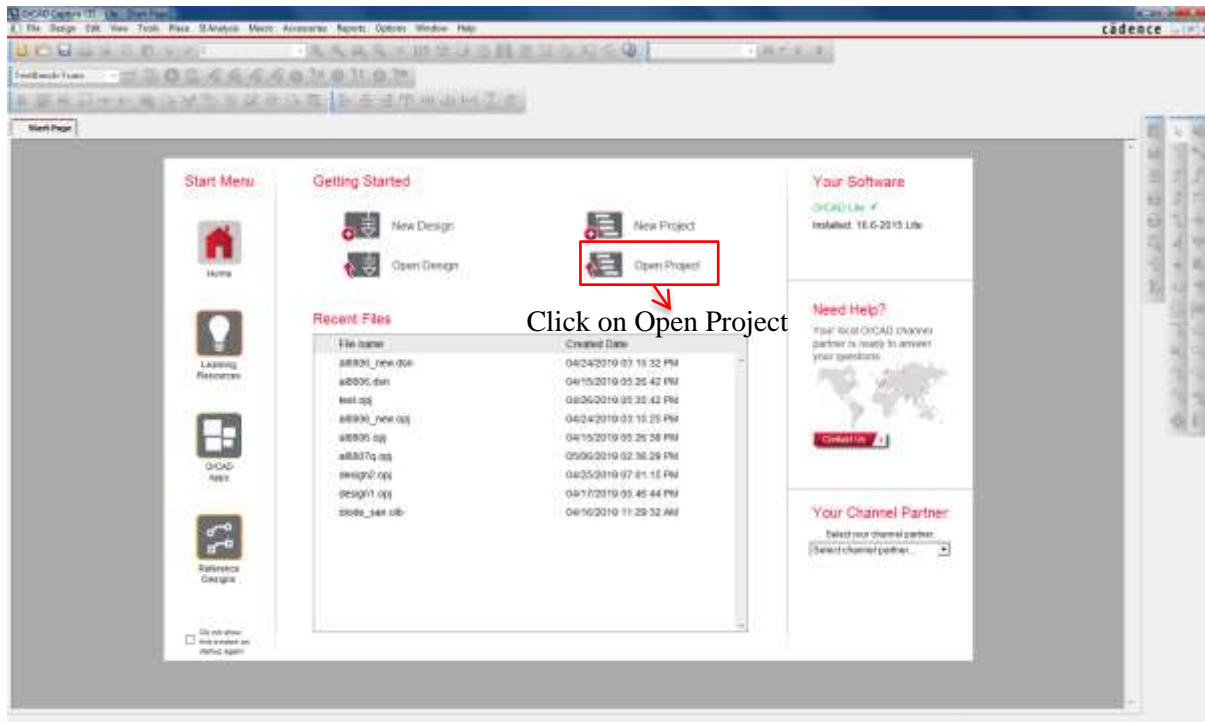
## **Using ORCAD to run simulations of PSpice model**

### **Step #1 – Install and Open ORCAD Capture**



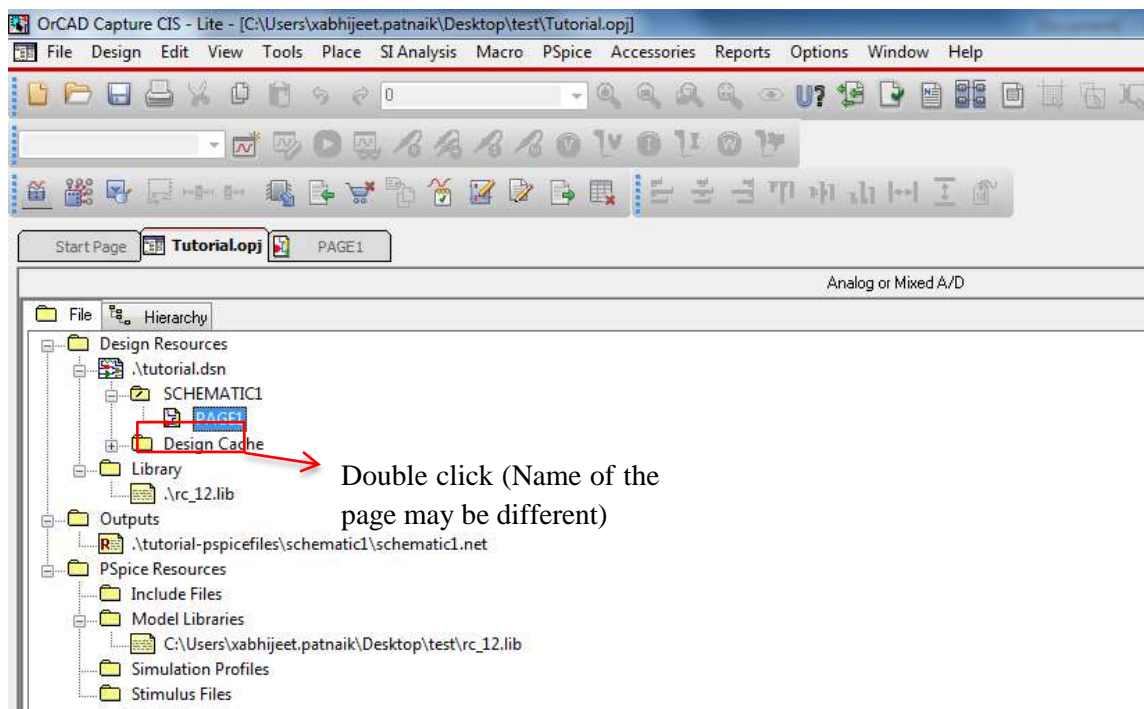
### **Step #2 – Open PSpice model Project**

Click on **Open project** —> Select the **.opj** file —> click open.



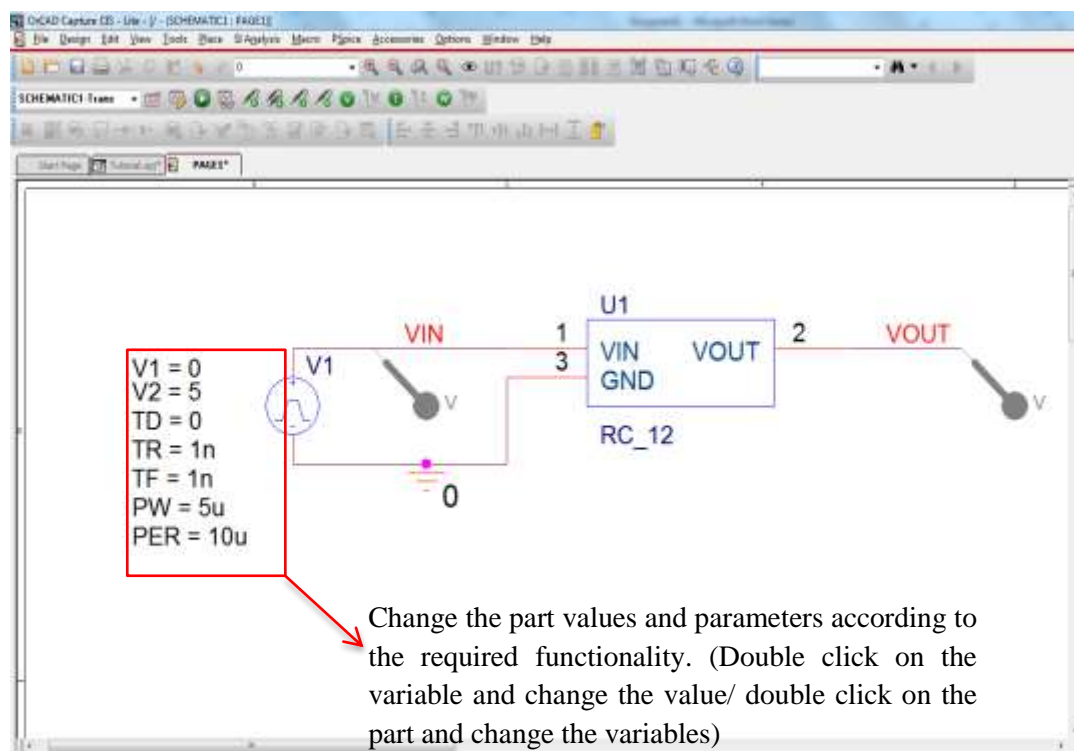
## Step #3 – Open Schematic View

Double click on page in the Schematic folder to open the model schematic view.



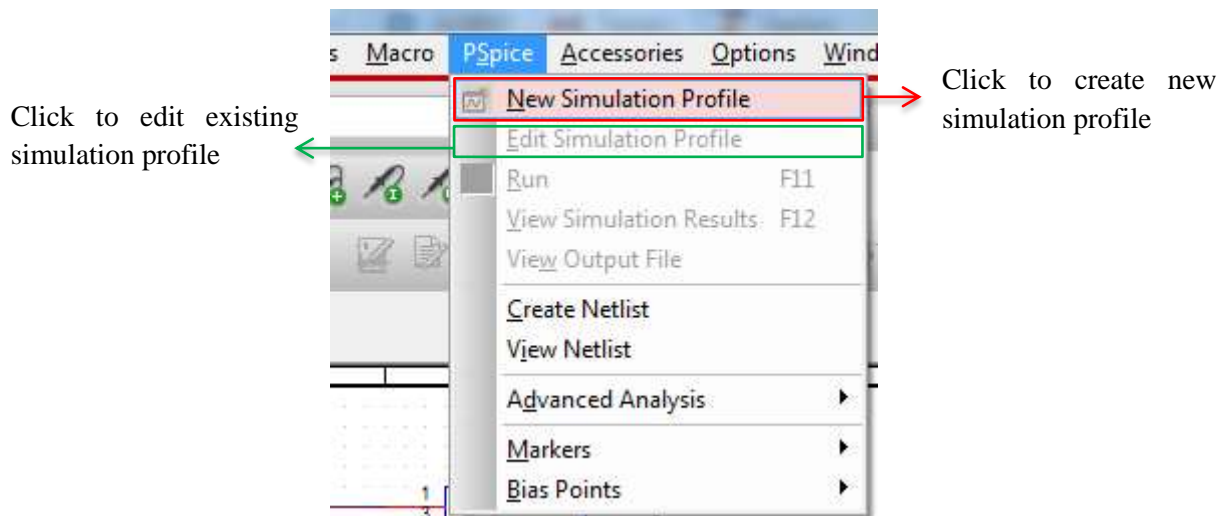
## Step #4 – Editing Part Values

Before you configure a simulation type, you need to have edited the circuit's part values, like voltages, resistances, parameters etc. The part values and other parameters can be set according to the required operation.

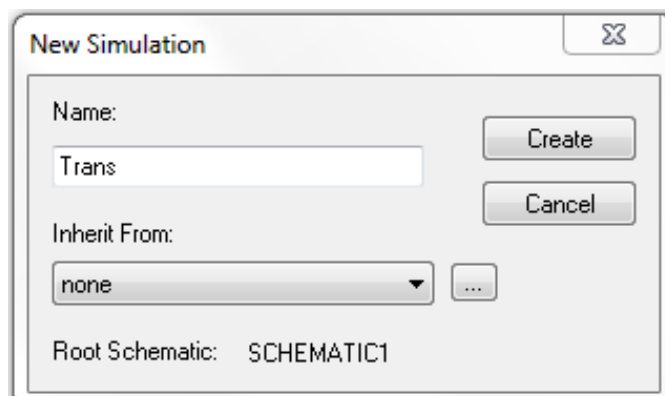


## Step #5 - Creating a Simulation Profile

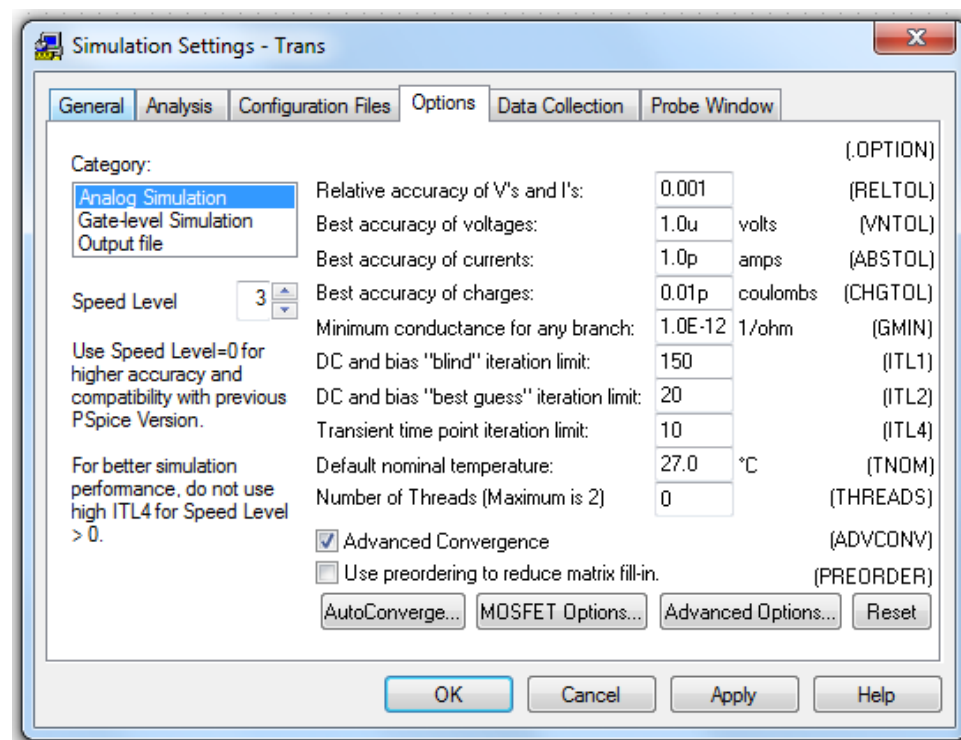
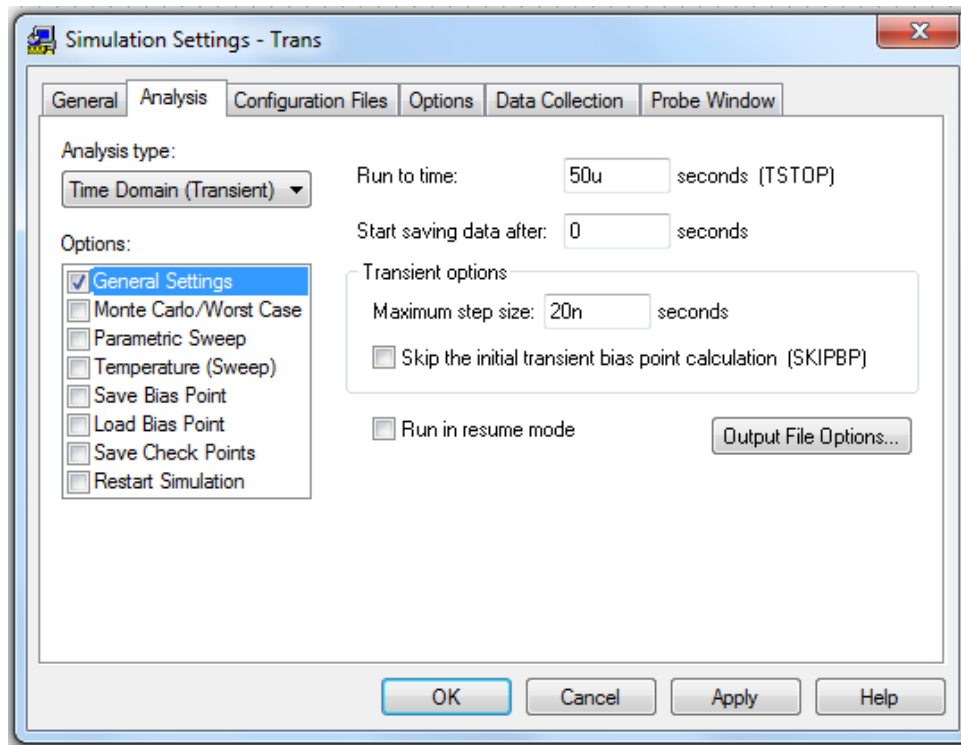
To create a profile, choose the menu path **PSpice** —> **New Simulation Profile**.



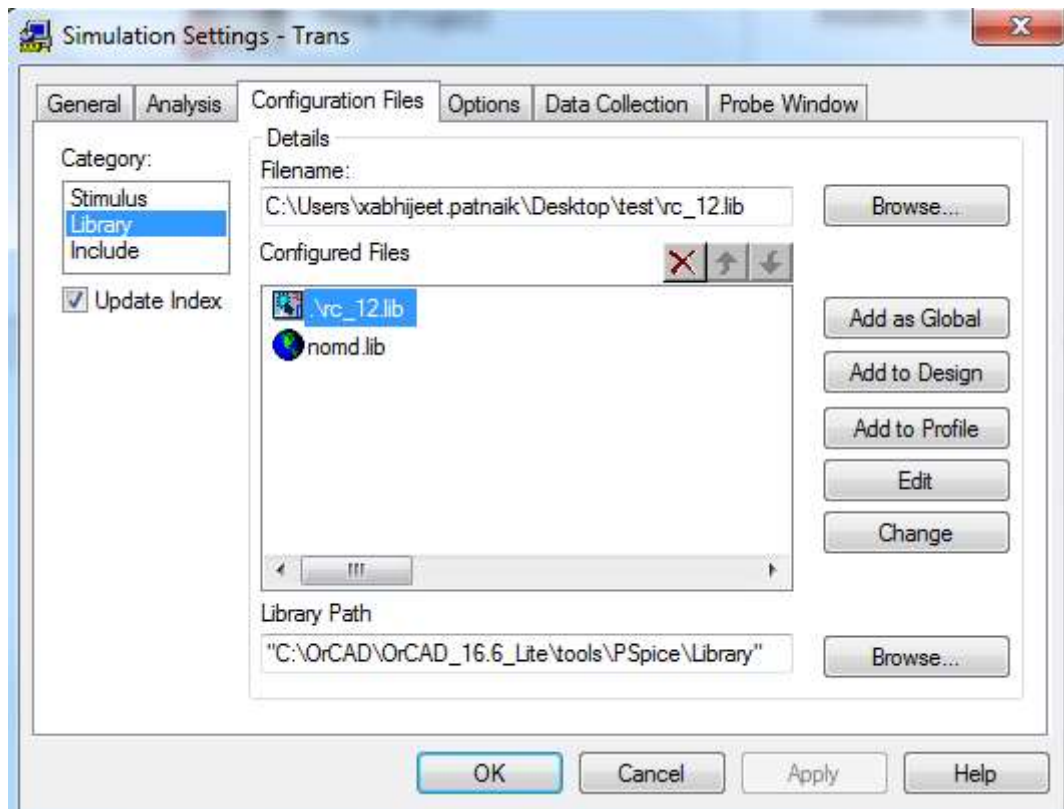
Then give it a name in the New Simulation dialogue box. Click Create to open the Simulation Settings dialogue box.



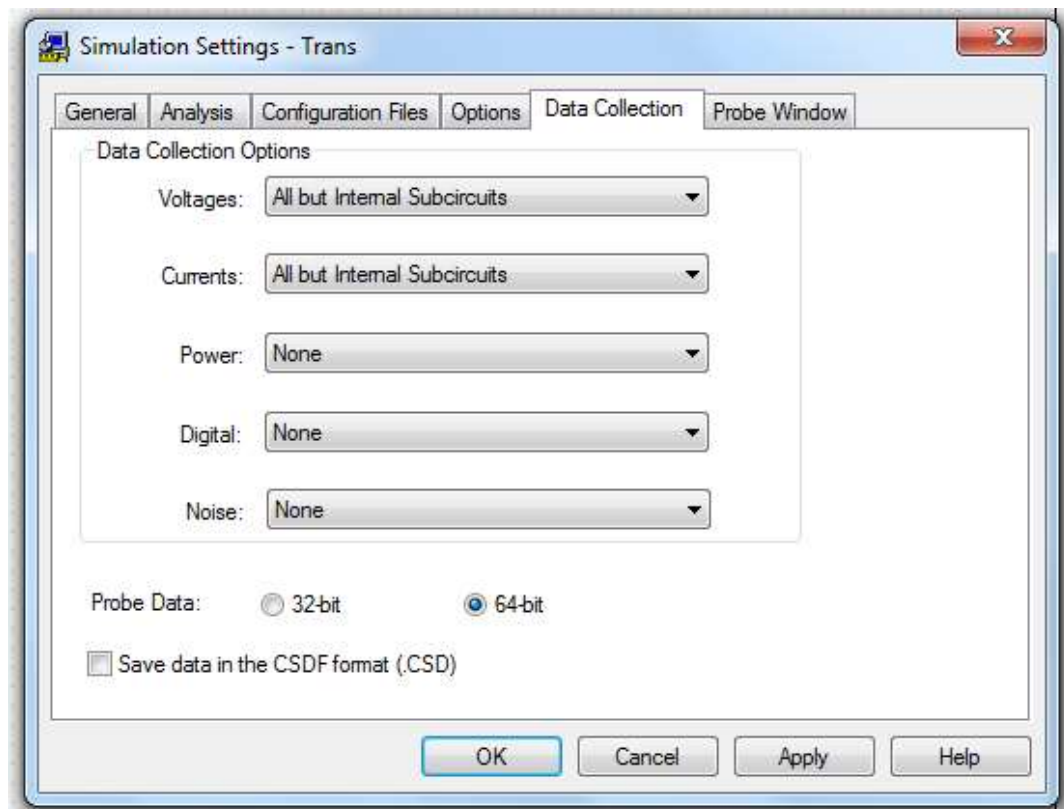
You can specify any of the analysis types, set various parameters for the simulation profile, and select different options for that simulation type such as ambient temperature etc.

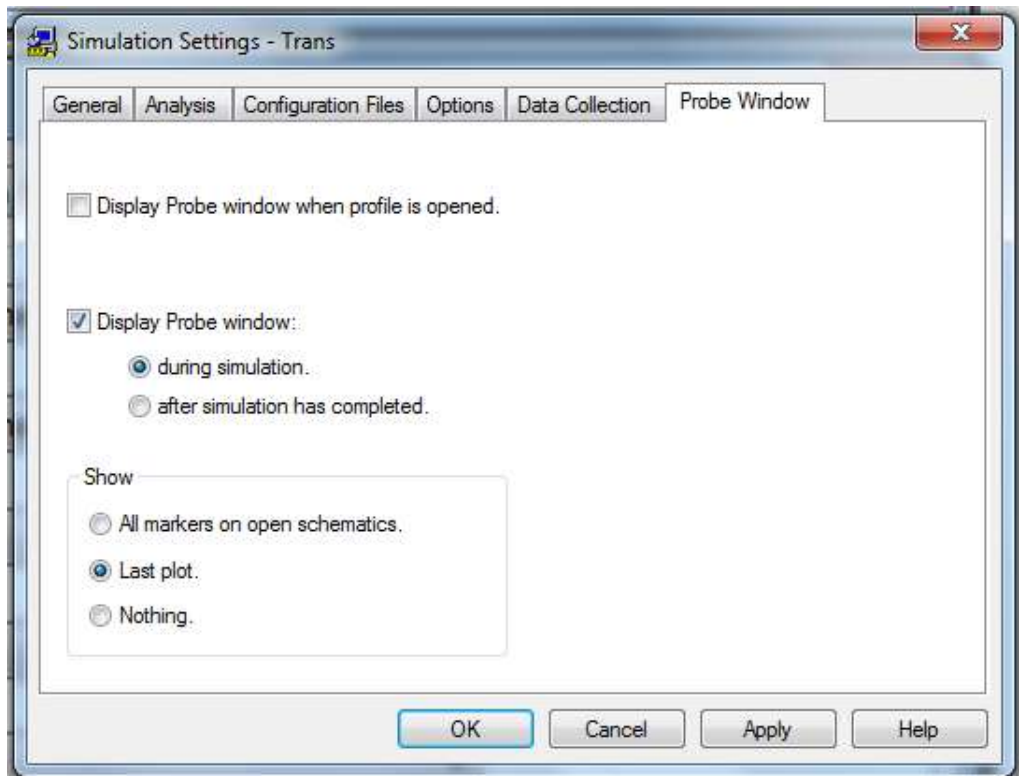


Ensure the library file (.lib) is added in configuration files setting. If not browse for the library file and add it.



You can specify data collection points and probe settings.



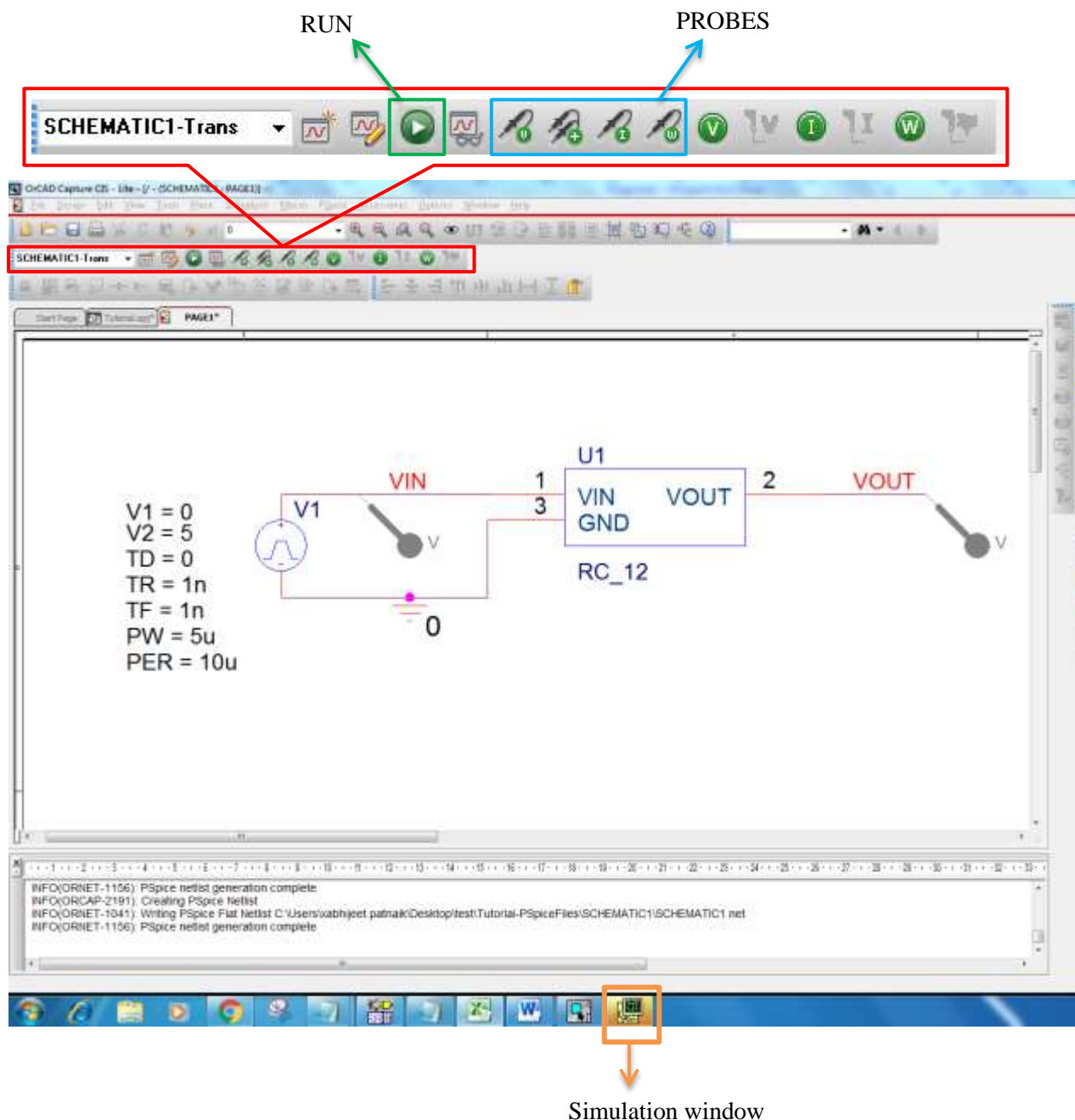


Once done, select OK. Then it'll return to the circuit schematic.



## Step #6 – Starting a simulation run

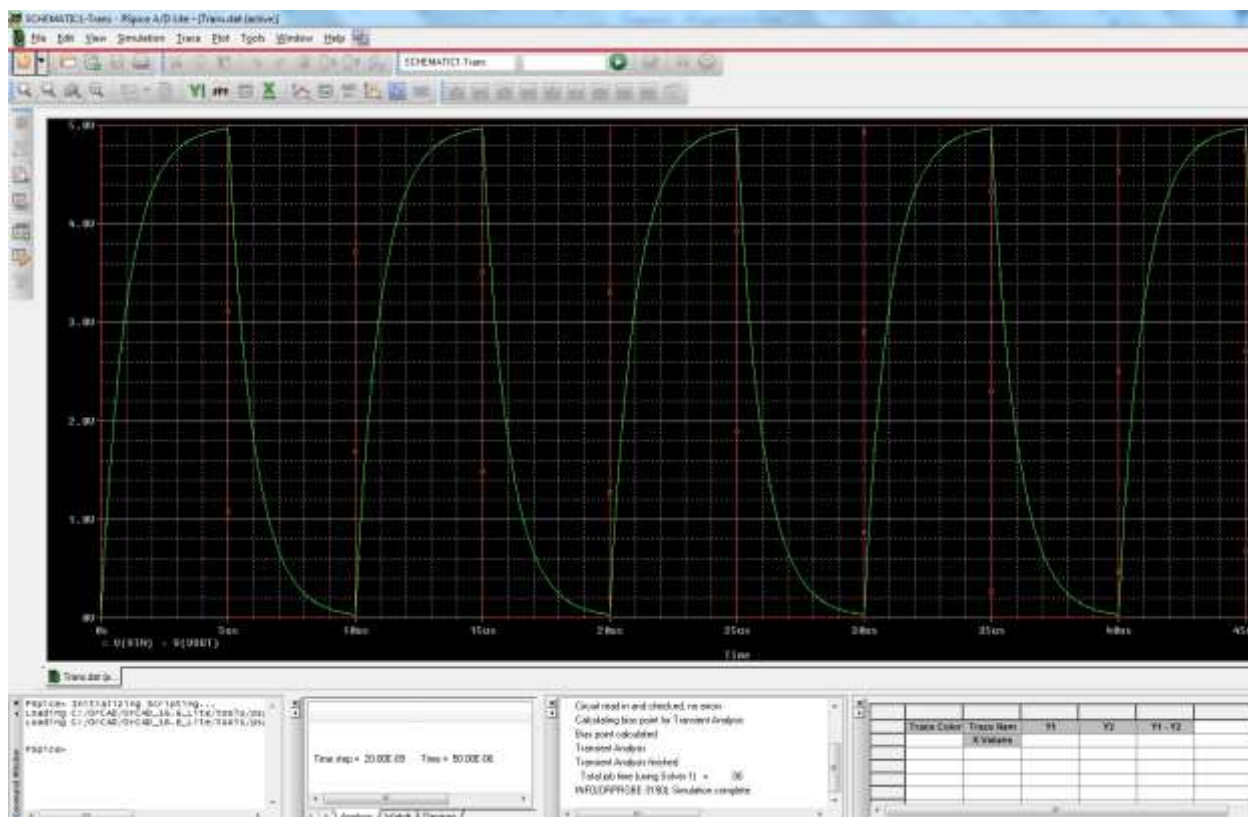
Before starting a simulation run, you need to place a probe (or probes) at the points you wish to measure a characteristic, such as voltage or current. Once you've placed the appropriate probe, you can start the run by selecting the RUN icon in the top menu bar. Alternately, you can use the menu path PSpice / Run.



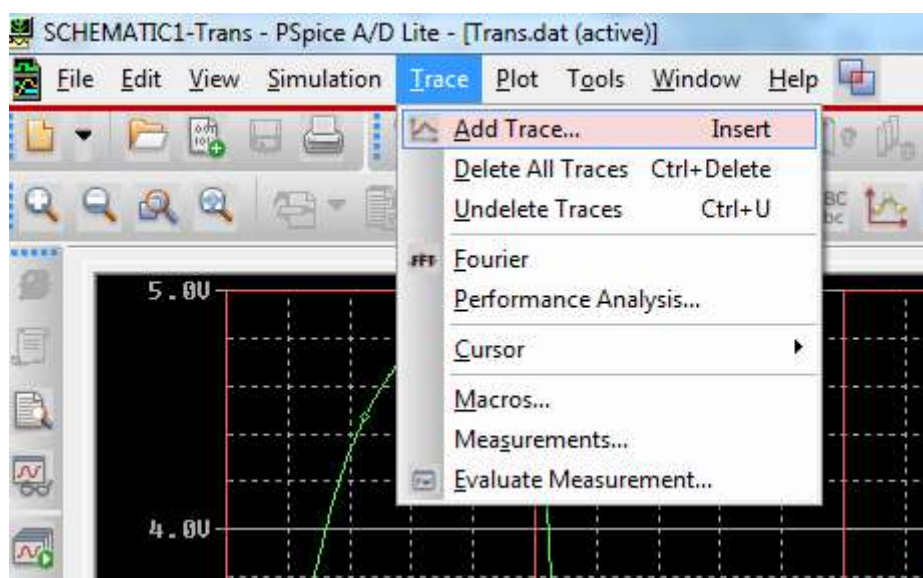


## Step #7 - Viewing Results

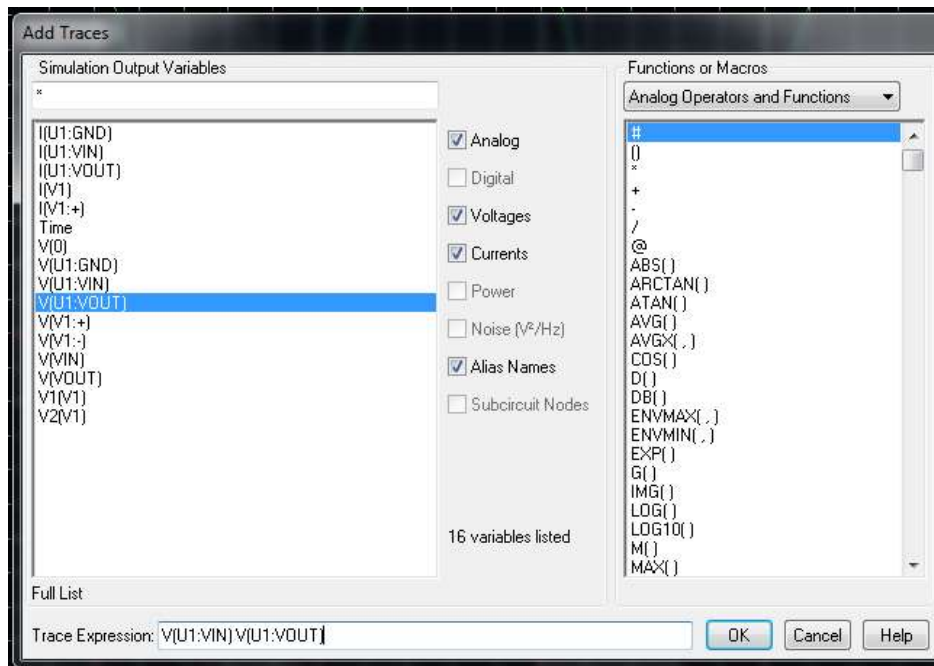
The Probe window opens after a simulation is complete. Double click on the probes placed in the schematic window to add trace. The resultant waveform is displayed in the probe window



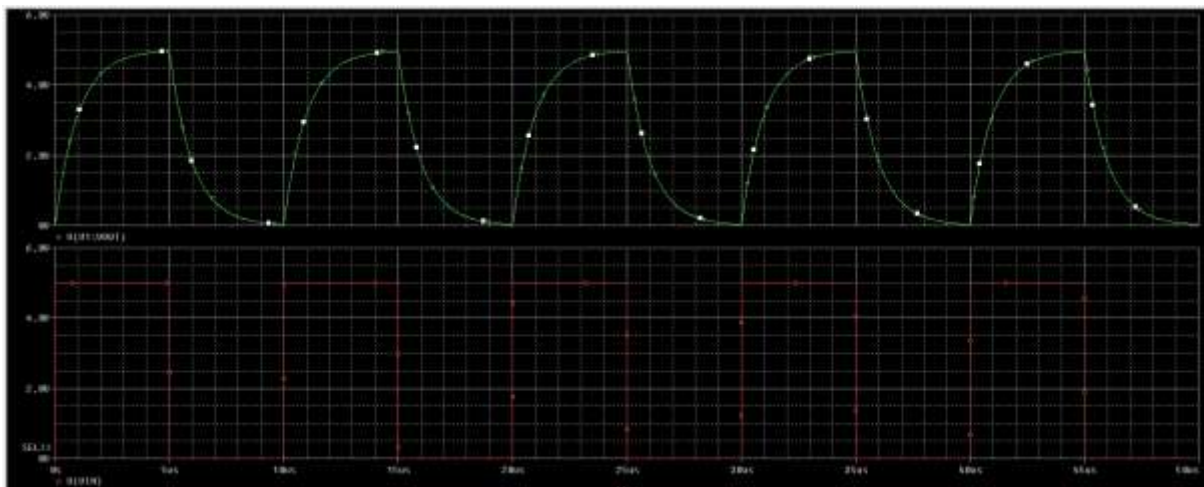
Alternatively, choose **Trace** → **Add Trace** to open the Add Traces window.



Select trace needed to be plotted and click OK



Result is displayed in the probe window.



Reference materials:

<b>PSpice Tutorials:</b>	
<b>Pspice How-To Videos Getting Started</b>	<a href="https://www.youtube.com/watch?v=mglyHxZ9Qkc&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO&amp;index=6">https://www.youtube.com/watch?v=mglyHxZ9Qkc&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO&amp;index=6</a>
<b>Simulation Types Tutorial</b>	<a href="https://www.youtube.com/watch?v=qhkVgKYoo04&amp;index=3&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO">https://www.youtube.com/watch?v=qhkVgKYoo04&amp;index=3&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO</a>
<b>Monte Carlo Tutorial</b>	<a href="https://www.youtube.com/watch?v=tFyMdOSAY_4&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO">https://www.youtube.com/watch?v=tFyMdOSAY_4&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO</a>
<b>Parametric Analysis Tutorial</b>	<a href="https://www.youtube.com/watch?v=vaiRDVM9oy8&amp;index=2&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO">https://www.youtube.com/watch?v=vaiRDVM9oy8&amp;index=2&amp;list=PLCgZ9VoSvNf1KC1wnrpO86Cp3M1IeA9LO</a>

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