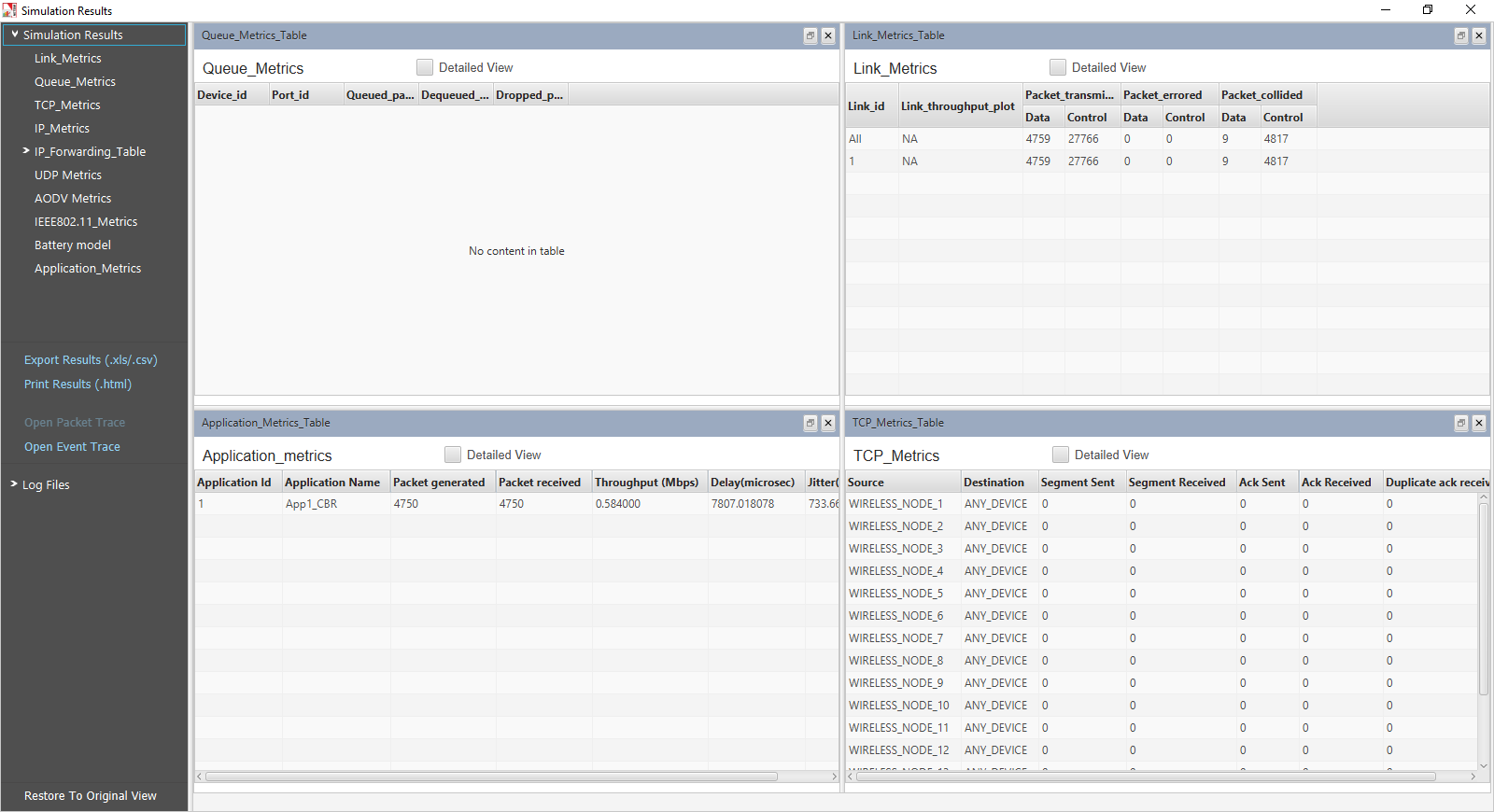
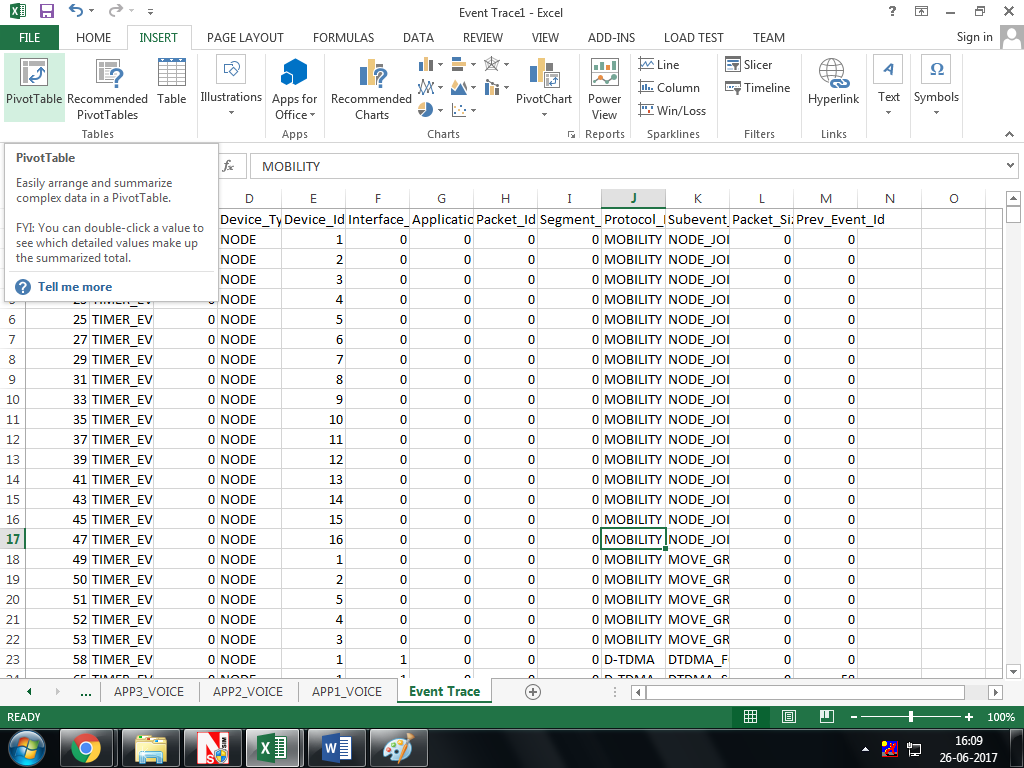
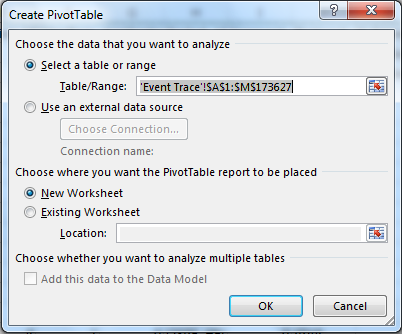
1. Select Event Trace in the Simulation results window



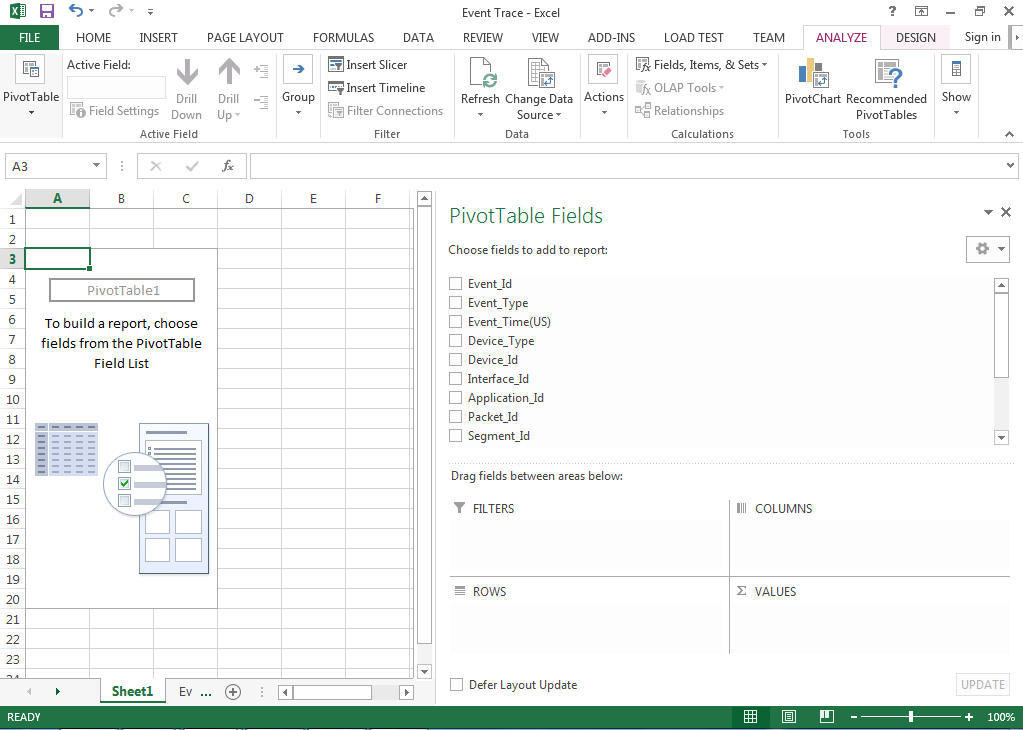
1. Click on **Pivot Table** in **INSERT** tab



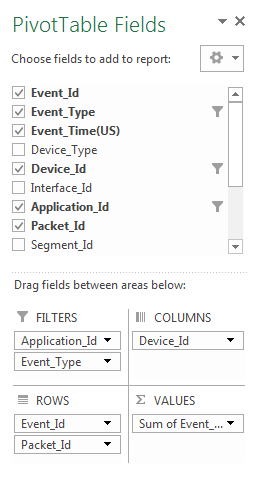
1. The a window named **Create Pivot Table** pops up which automatically selects the entire table, then click **OK** button.



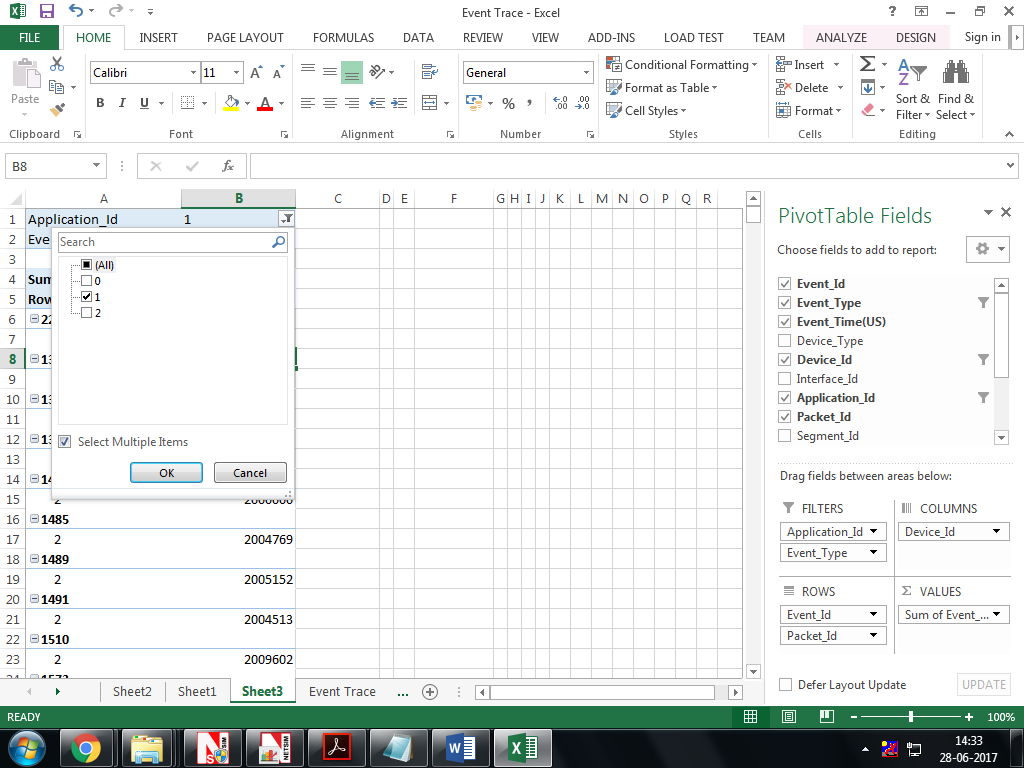
1. A blank **PivotTable** and **Field List** will appear on a new worksheet.

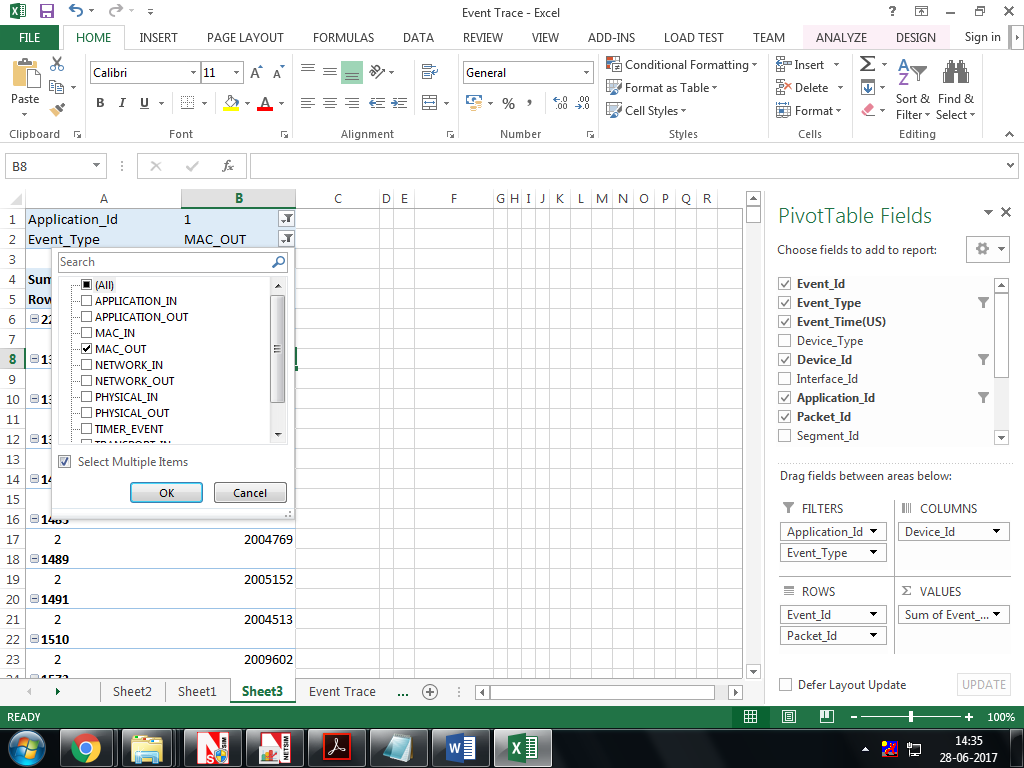
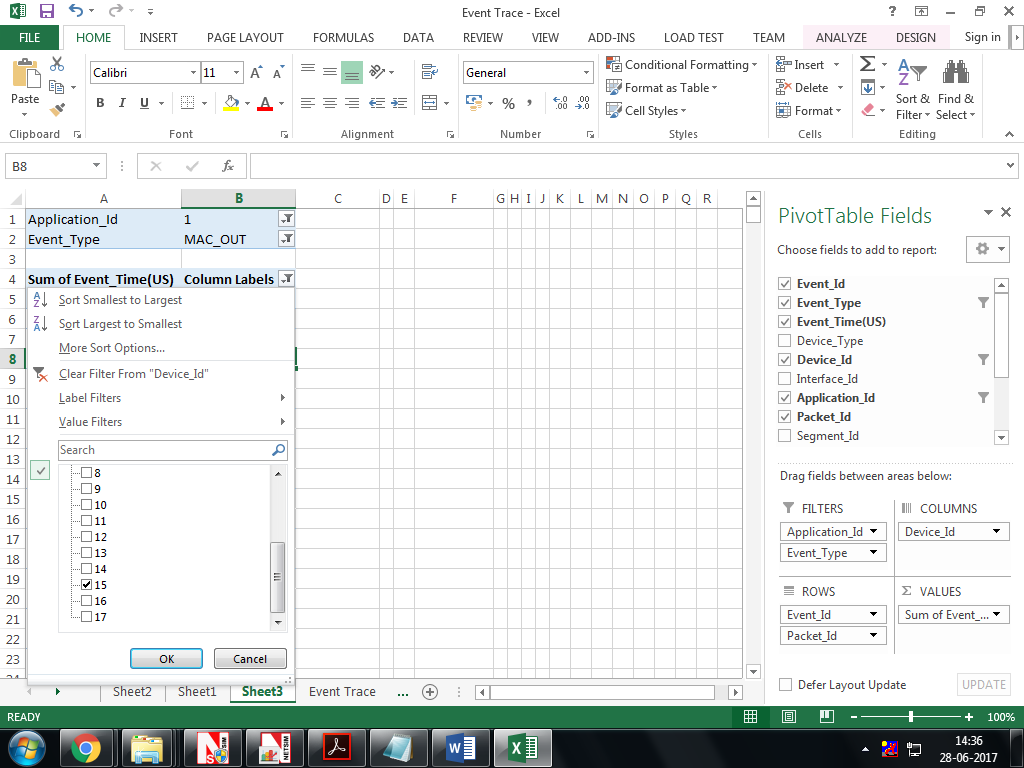


1. Once you create a PivotTable, you'll need to decide which **fields** to add. Each field is simply a **column header** from the source data. In the **PivotTable Field List**, check the box for each field you want to add.
2. Drag and drop the **Event\_Type**, **Application\_Id** Fields into **FILTERS,** **Event\_id** and **Packet\_Id** into **ROWS** and **Device\_Id** into **COLUMNS**.
3. Drag and Drop **Event\_Time** Field into **VALUES**.
4. Then finally the **Pivot Table Fields** will be as shown below.

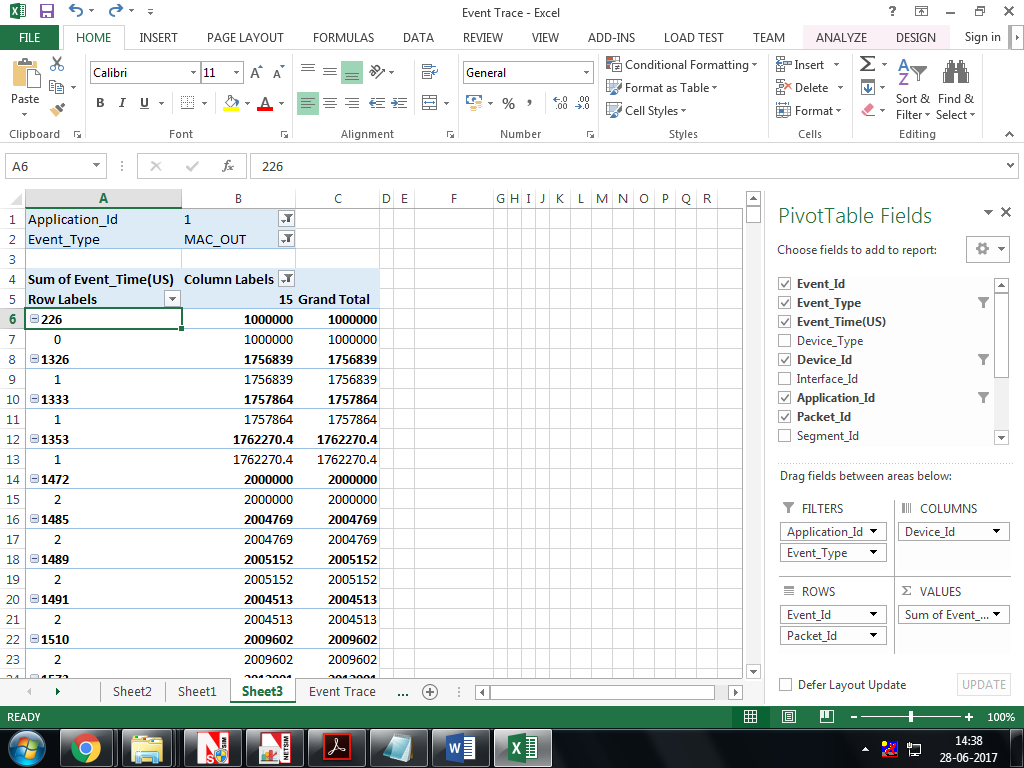


1. In the Column Labels Select the **Application\_Id,** in **Event\_Type** select **MAC\_OUT** and select **Source\_Id** (15 in this case).

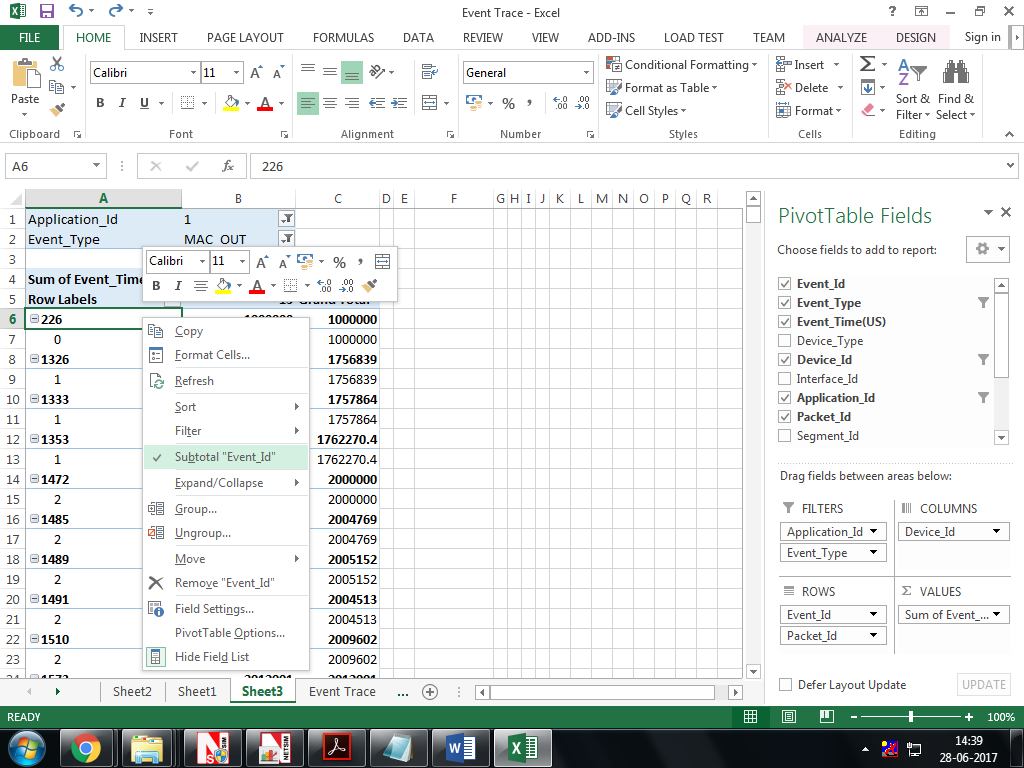




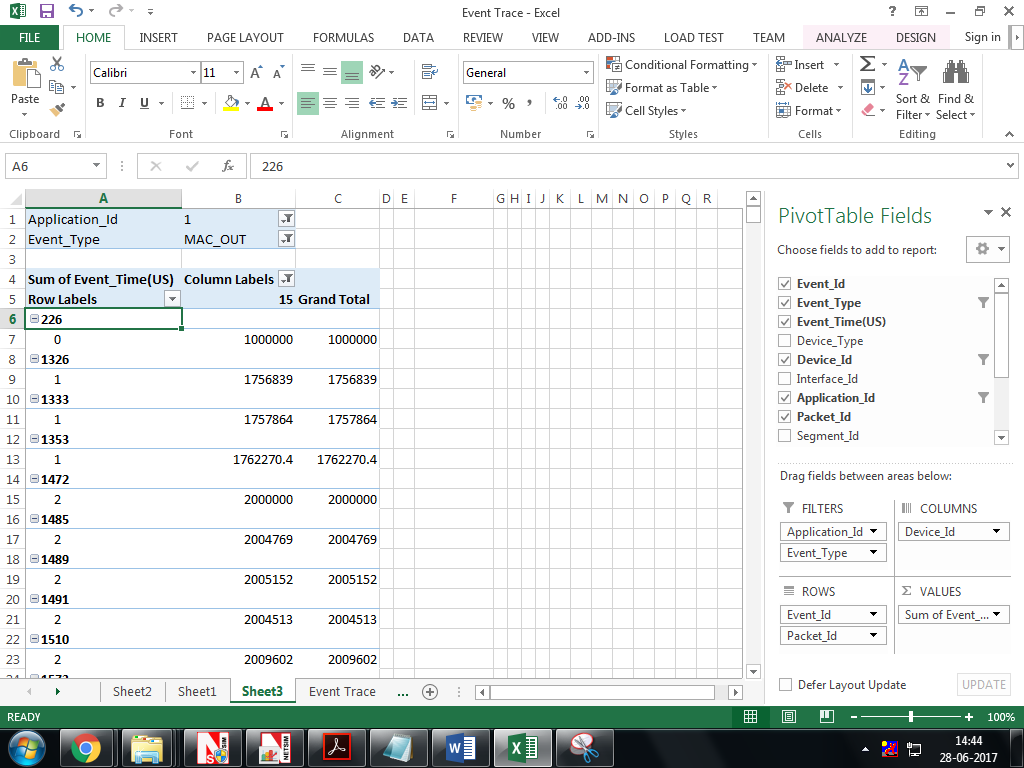
And the Pivot Table created will be as shown (15(in this case) is the Source\_Id)



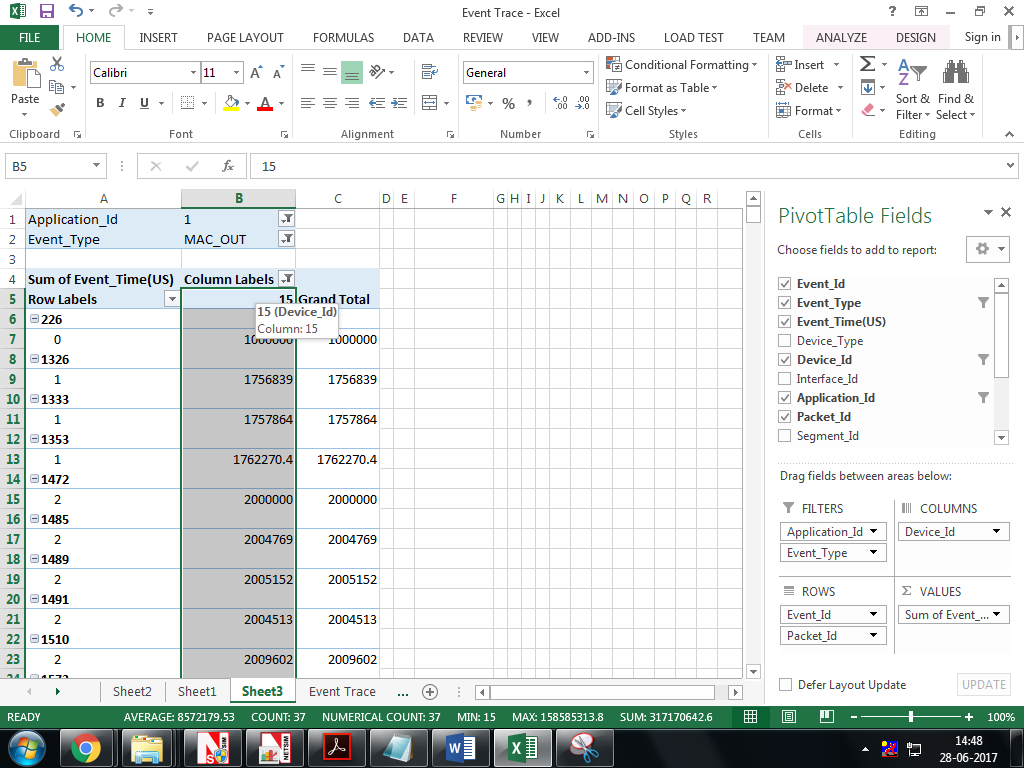
1. Select one cell in **Event\_Id** in **Columns Labels** and **right click** then deselect **Subtotal “Event\_Id”,**  it removes the Subtotals



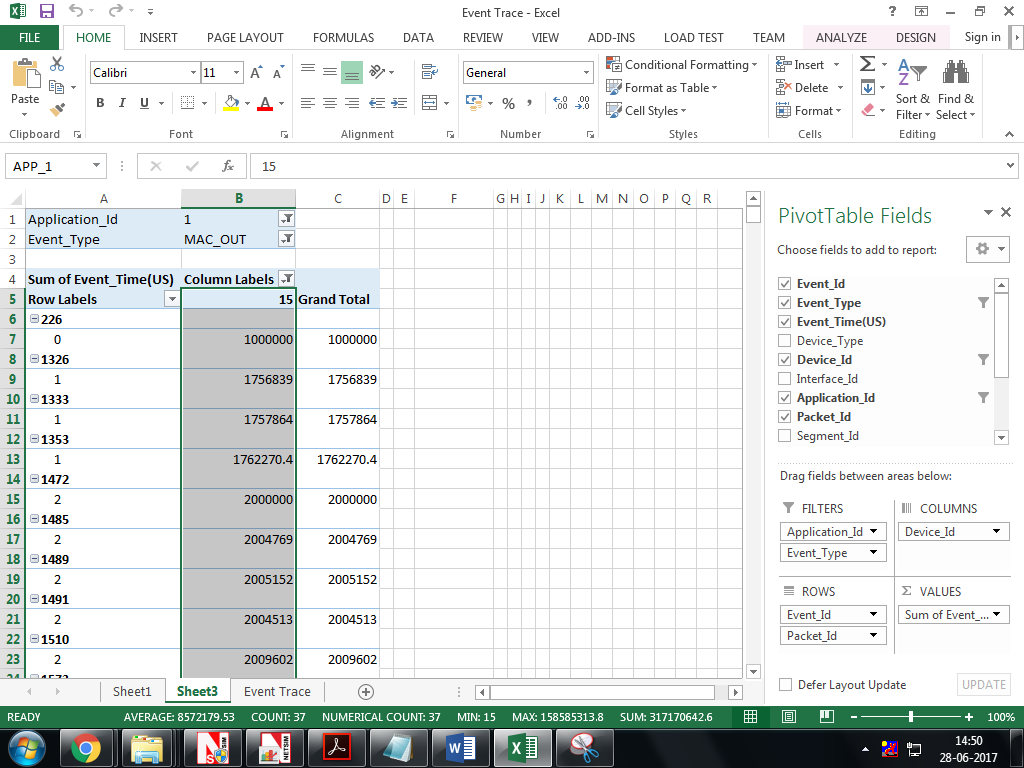
Then the pivot table will be as shown below



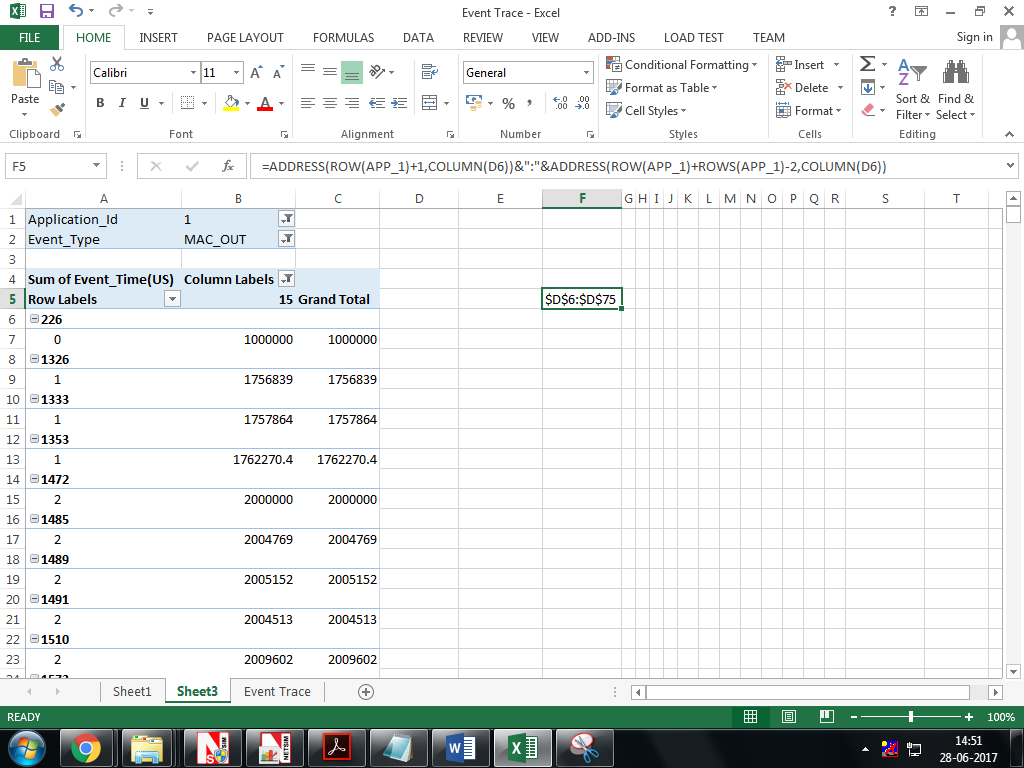
1. Place the mouse just below **Column Labels** cell and left click then it will selects the rows of the pivot table as shown below



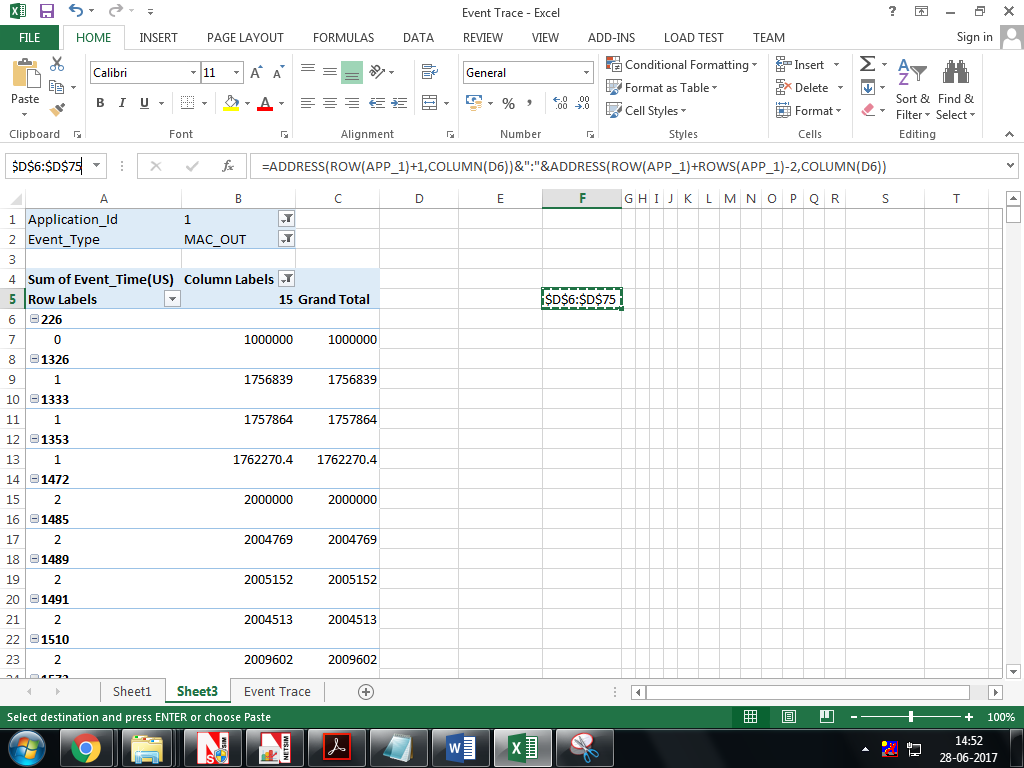
1. Then in the **Name Box** name the column (APP\_1 in this case), after that in an empty cell enter the formula to get the address of the empty rows Outside the pivot table



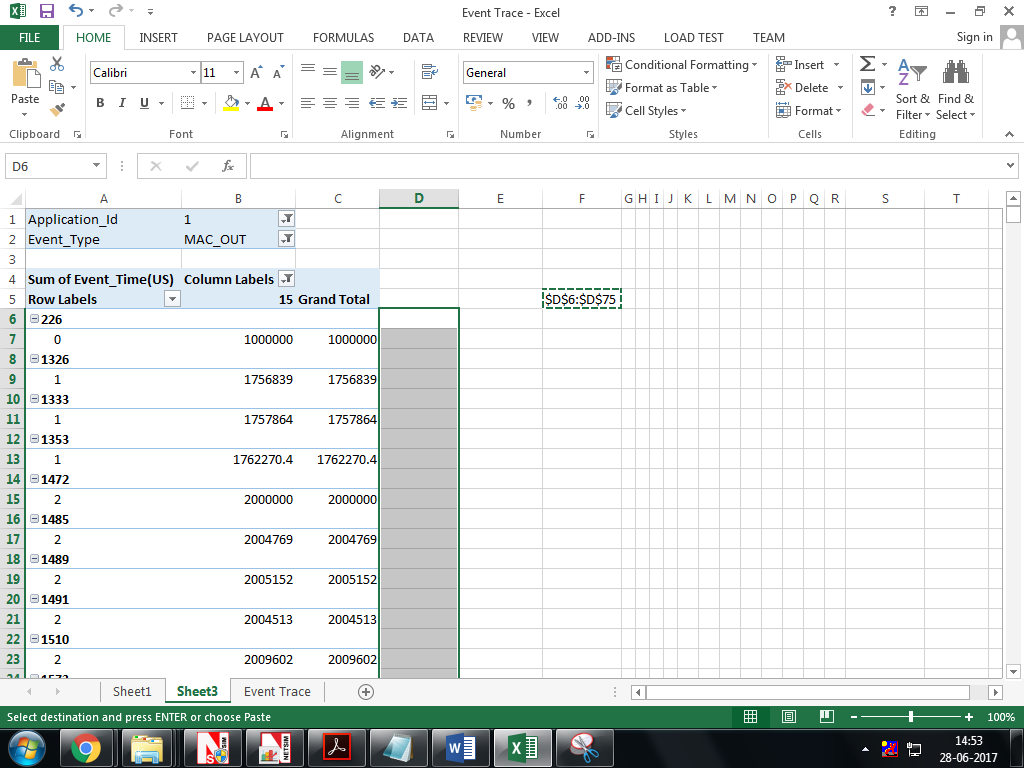
After that in an empty cell enter the formula **=ADDRESS(ROW(APP\_1)+1,COLUMN(D6))&":"&ADDRESS(ROW(APP\_1)+ROWS(APP\_1)-2,COLUMN(D6))** then press enter then you’ll get the address as shown below



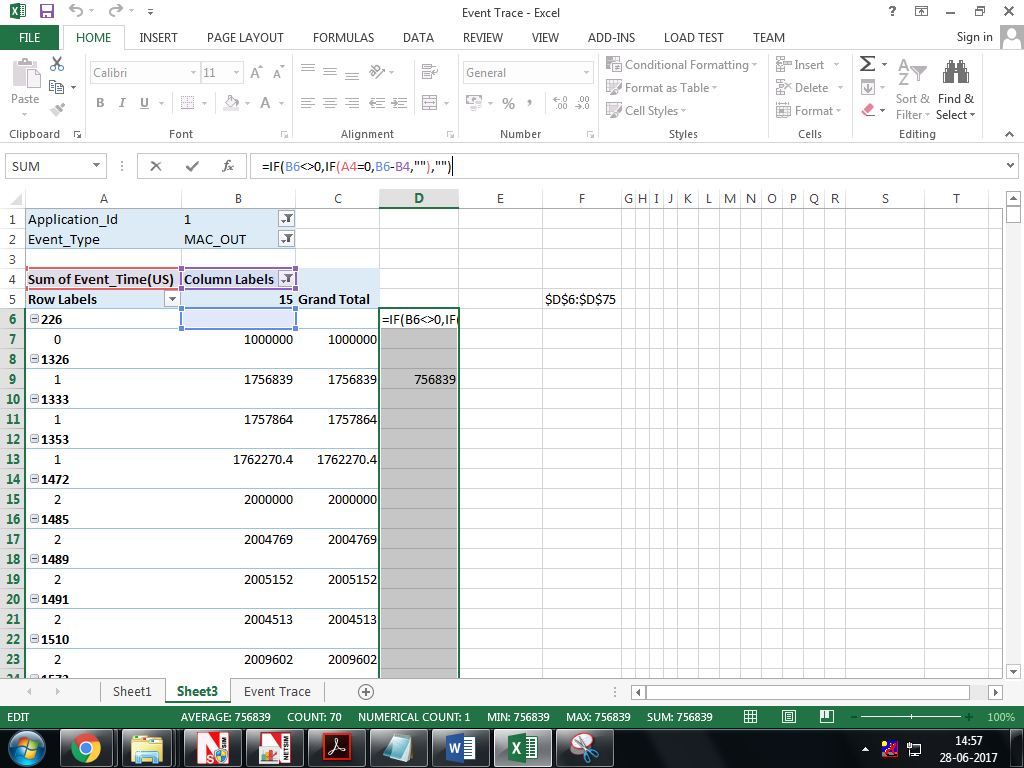
Then copy the address and place it in **Name Box** as shown below (Name Box is at the left top corner as shown below)



And press enter it will selects the Column D and Rows that are filled as shown



Then in the formula box type the formula **=IF(B6<>0,IF(A4=0,B6-B4,""),"")** and press **CTRL + ENTER,**



To get the Average Route Acquisition Time enter the formula =**SUM(D6:D75)/COUNTIF(D6:D75,">0")**

