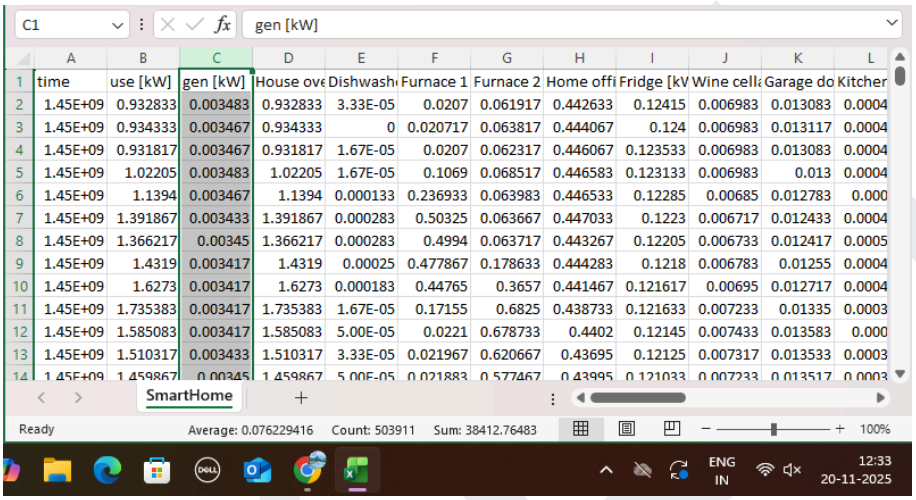
Practical No.1

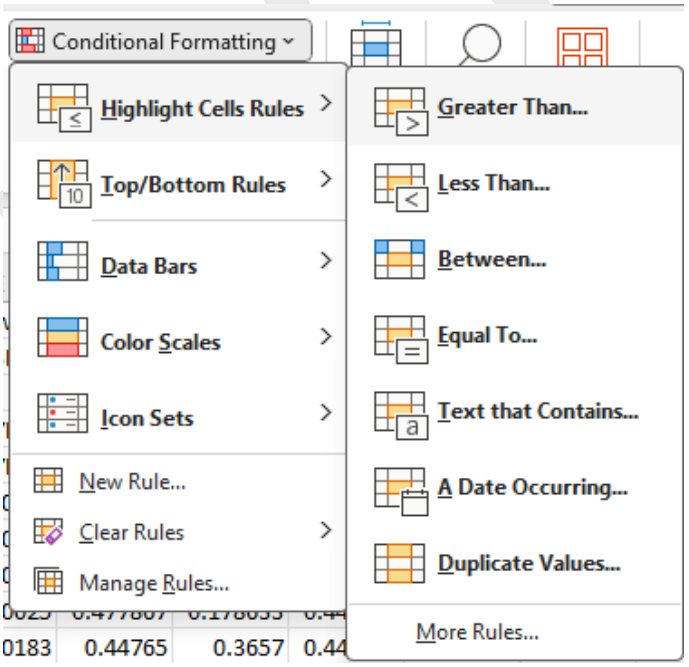
Aim: Introduction to Excel

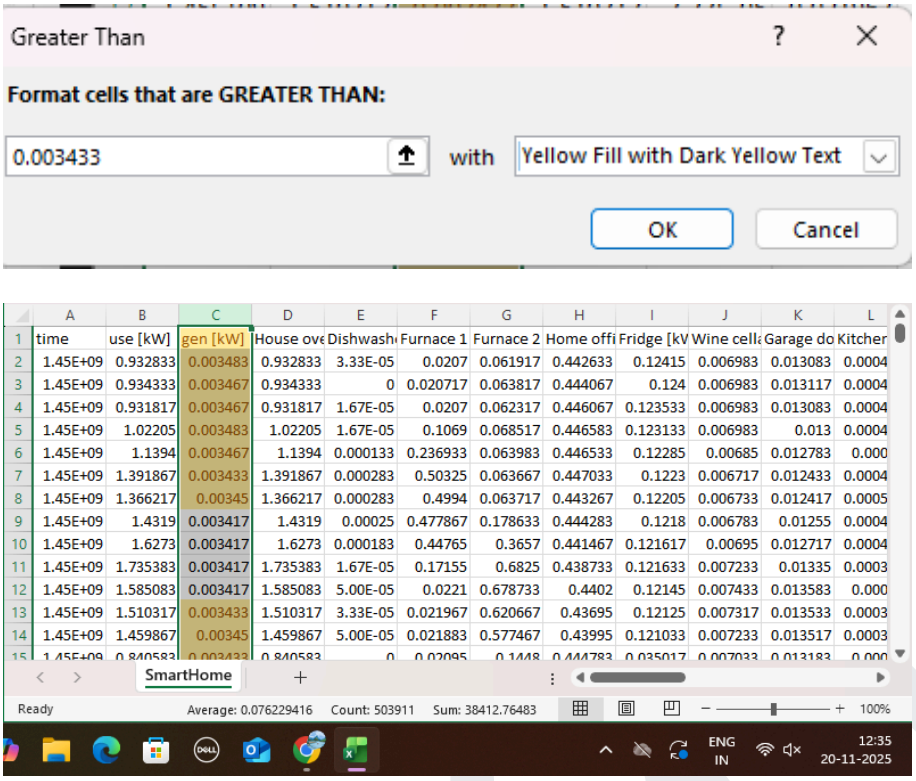
- Perform conditional formatting on a dataset using various criteria.
- Create a pivot table to analyze and summarize data.
- Use the VLOOKUP function to retrieve information from a different worksheet or table.
- Perform what-if analysis using Goal Seek to determine input values for desired output.

A. Perform conditional formatting on a dataset using various criteria.

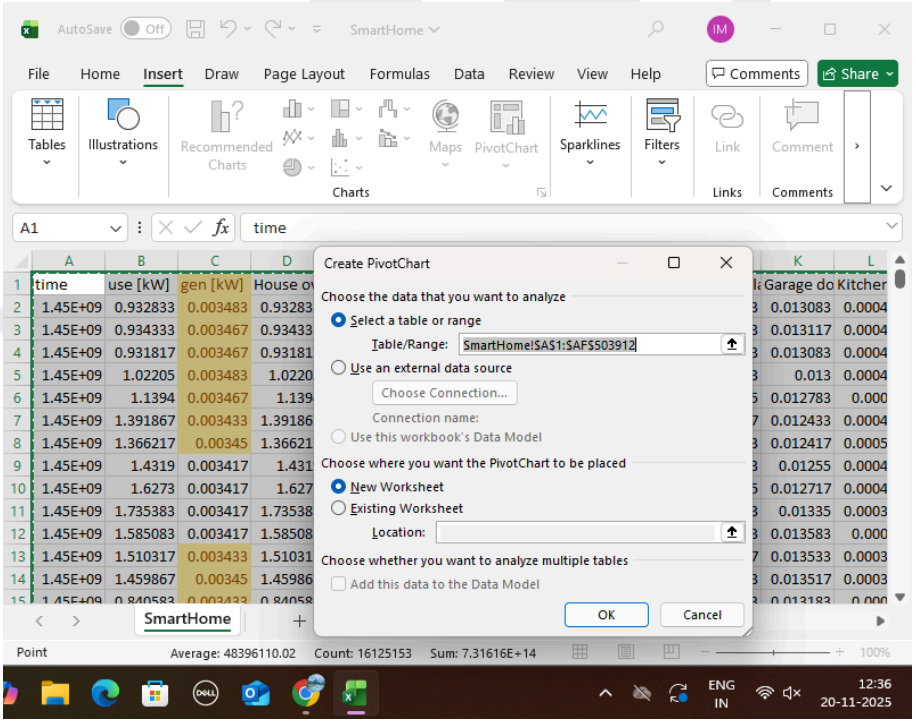


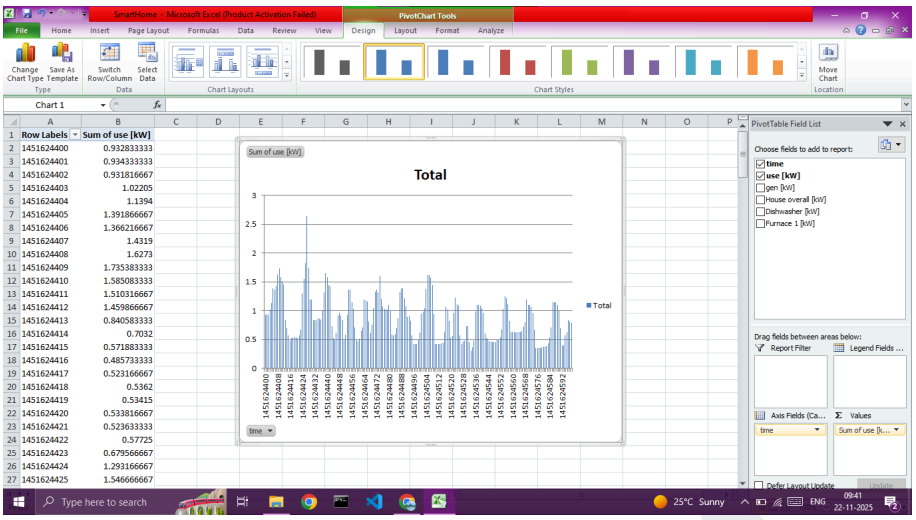
time	use [kW]	gen [kW]	House ove	Dishwash	Furnace 1	Furnace 2	Home offi	Fridge [kV	Wine cell	Garage do	Kitcher
1.45E+09	0.932833	0.003483	0.932833	3.33E-05	0.0207	0.061917	0.442633	0.12415	0.006983	0.013083	0.0004
1.45E+09	0.934333	0.003467	0.934333	0	0.020717	0.063817	0.444067	0.124	0.006983	0.013117	0.0004
1.45E+09	0.931817	0.003467	0.931817	1.67E-05	0.0207	0.062317	0.446067	0.123533	0.006983	0.013083	0.0004
1.45E+09	1.02205	0.003483	1.02205	1.67E-05	0.1069	0.068517	0.446583	0.123133	0.006983	0.013	0.0004
1.45E+09	1.1394	0.003467	1.1394	0.000133	0.236933	0.063983	0.446533	0.12285	0.00685	0.012783	0.000
1.45E+09	1.391867	0.003433	1.391867	0.000283	0.50325	0.063667	0.447033	0.1223	0.006717	0.012433	0.0004
1.45E+09	1.366217	0.00345	1.366217	0.000283	0.4994	0.063717	0.443267	0.12205	0.006733	0.012417	0.0005
1.45E+09	1.4319	0.003417	1.4319	0.00025	0.477867	0.178633	0.444283	0.1218	0.006783	0.01255	0.0004
1.45E+09	1.6273	0.003417	1.6273	0.000183	0.44765	0.3657	0.441467	0.121617	0.00695	0.012717	0.0004
1.45E+09	1.735383	0.003417	1.735383	1.67E-05	0.17155	0.6825	0.438733	0.121633	0.007233	0.01335	0.0003
1.45E+09	1.585083	0.003417	1.585083	5.00E-05	0.0221	0.678733	0.4402	0.12145	0.007433	0.013583	0.000
1.45E+09	1.510317	0.003433	1.510317	3.33E-05	0.021967	0.620667	0.43695	0.12125	0.007317	0.013533	0.0003
1.45E+09	1.459867	0.00345	1.459867	5.00E-05	0.021883	0.577467	0.43995	0.121033	0.007233	0.013517	0.0003

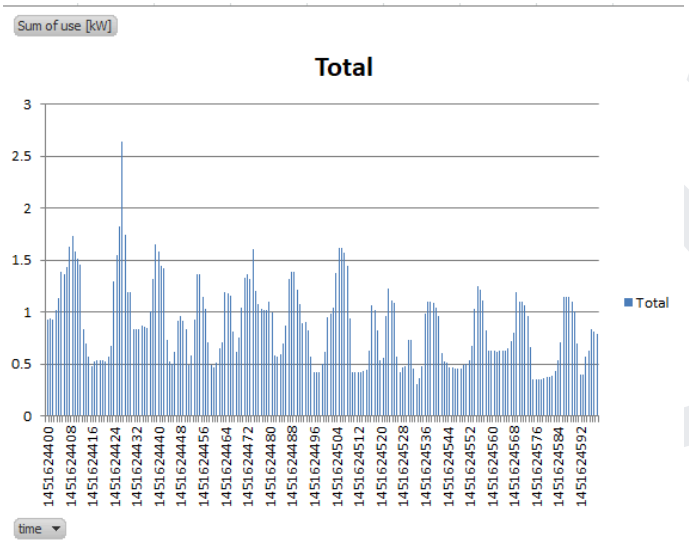




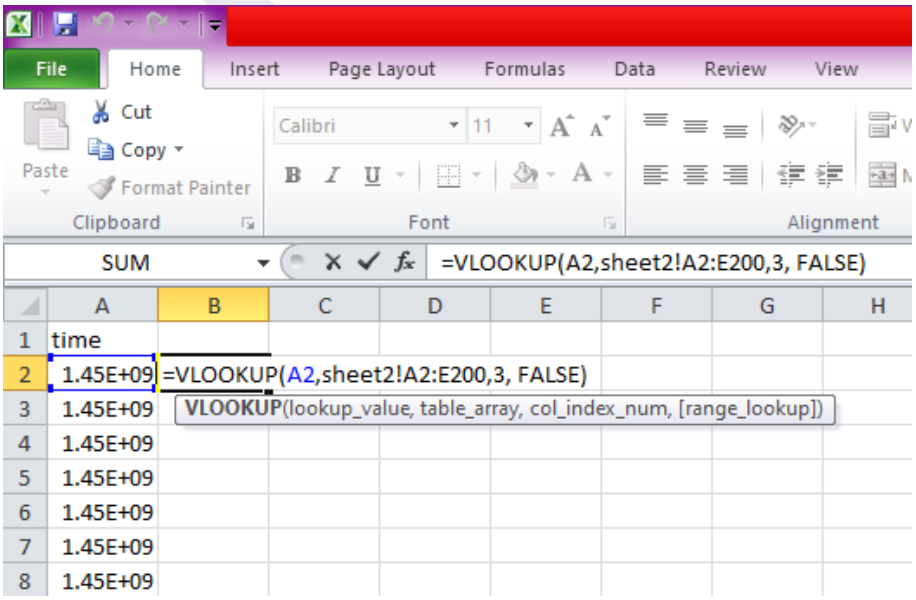
B. Create a pivot table to analyze and summarize data.

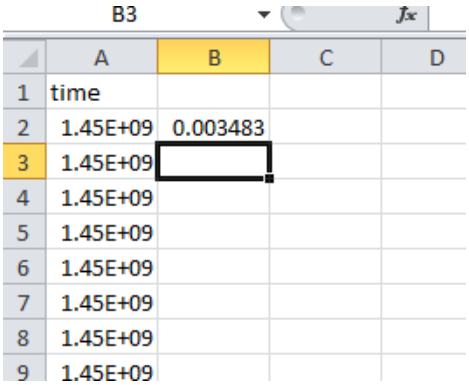


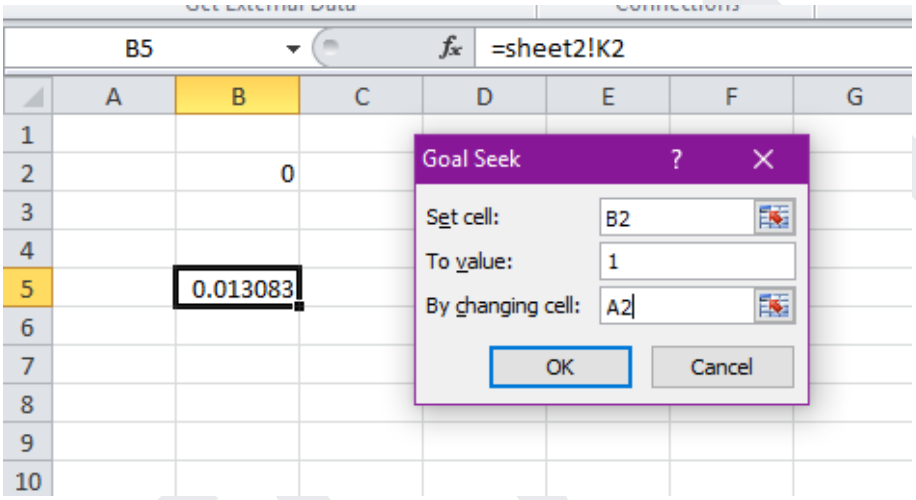
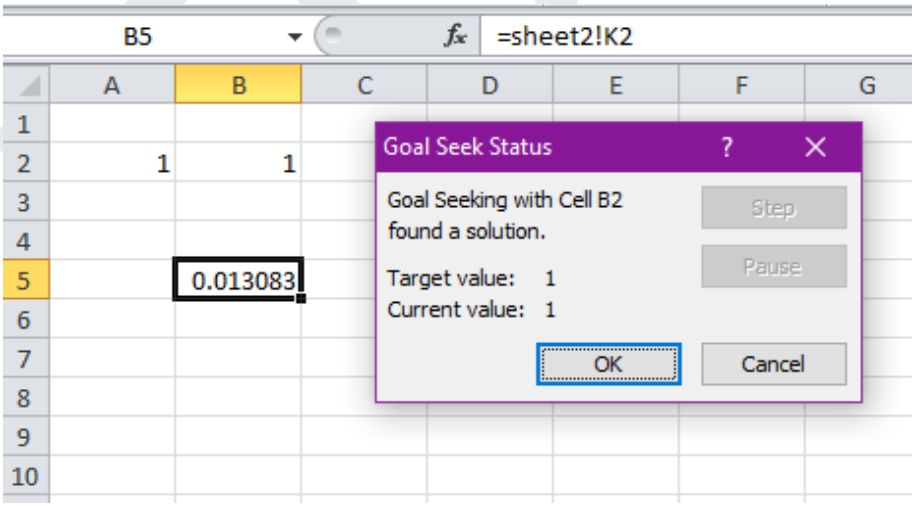




C. Use the VLOOKUP function to retrieve information from a different worksheet or table.





	A	B	C	D
1	time			
2	1.45E+09	0.003483		
3	1.45E+09			
4	1.45E+09			
5	1.45E+09			
6	1.45E+09			
7	1.45E+09			
8	1.45E+09			
9	1.45E+09			

D. Perform what-if analysis using Goal Seek to determine input values for desired output.