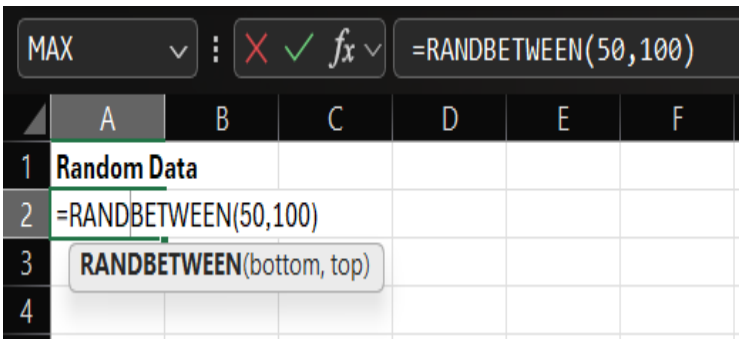
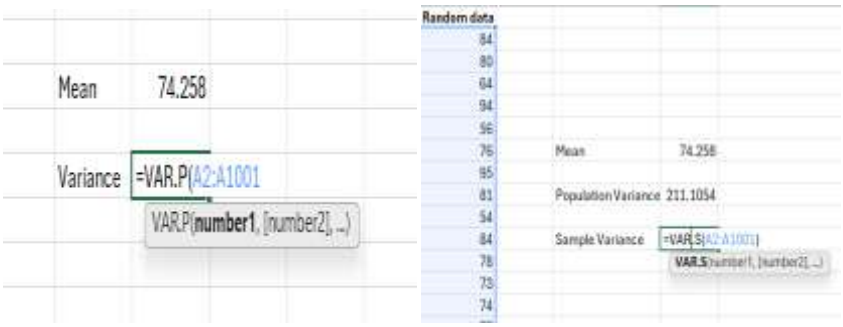
Activity 1 :- (Utkarsh Singh Reg_no : 12304147 K23TA)

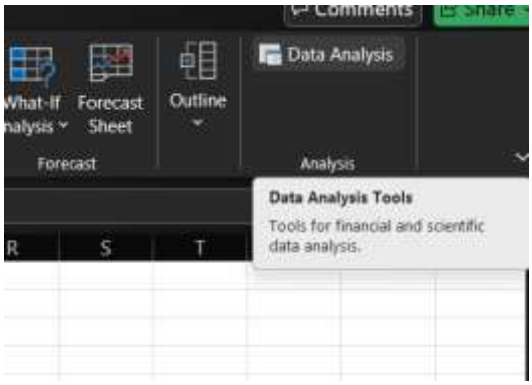
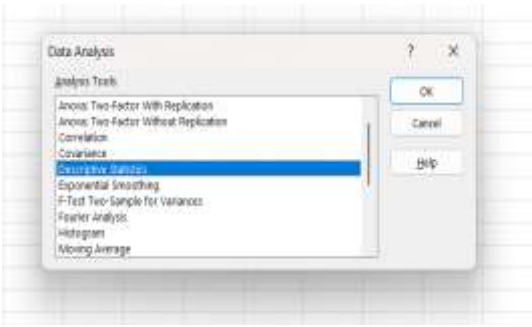
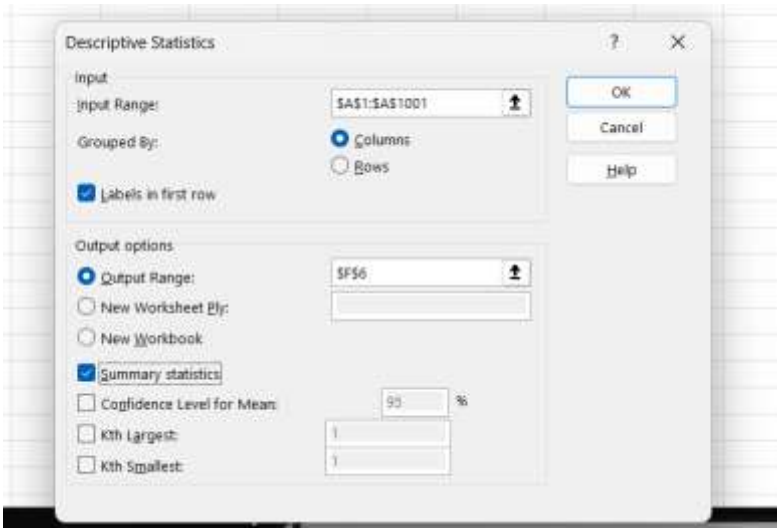
1. Generate random data

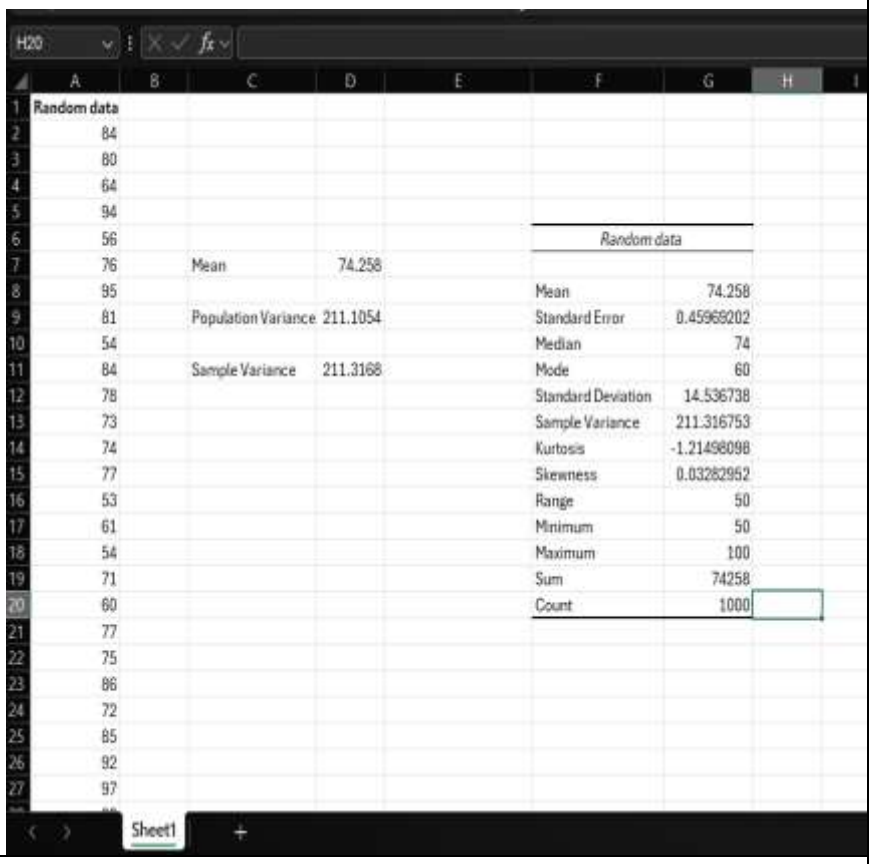
2. Create Descriptive statistics table

3. Calculate mean, variance of population and sample

Solution :-

Step 1 :- Generate the random data in a column using RANDBETWEEN(Value1,Value2) And drag. I have take range between (50-100) and generated 1000 random data. Note :- Fix the data else it will change every time you press enter. {copy it and paste it from top left paste icon}.	 
Step 2 :- Find the mean , Population variance and Sample variance. Mean = AVERAGE(A2:A1001) Population Variance = VAR.P(A2:A1001) Sample Variance = VAR.S(A2:A1001)	 

Step 3 :- To Create Descriptive statistics table follow the instruction : Data -> Data Analysis -> Descriptive statistics	 
Step 4 :- Select the input range (from A1:A1001) and the output cell and select { Summary Statics} and press enter or OK.	
	Random data Mean 74.258 Standard Error 0.45969202 Median 74 Mode 60 Standard Deviation 14.536738 Sample Variance 211.316753 Kurtosis -1.21498098 Skewness 0.03282952 Range 50 Minimum 50 Maximum 100 Sum 74258 Count 1000

Step 5 :- After these steps our table will be generated successfully.	
Note : I have taken a single column of random data with count 1000 and followed each step as per in the question.	