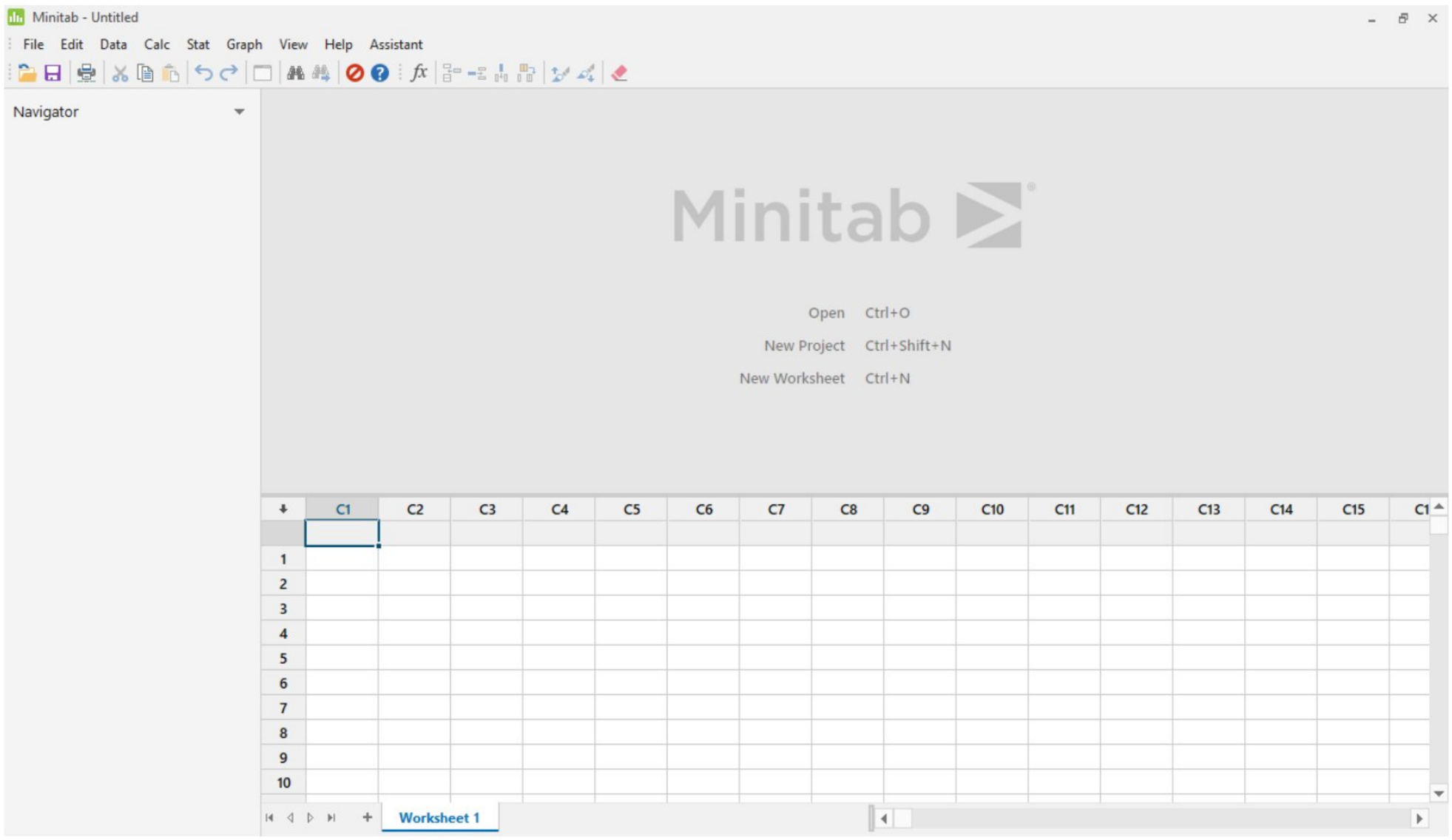
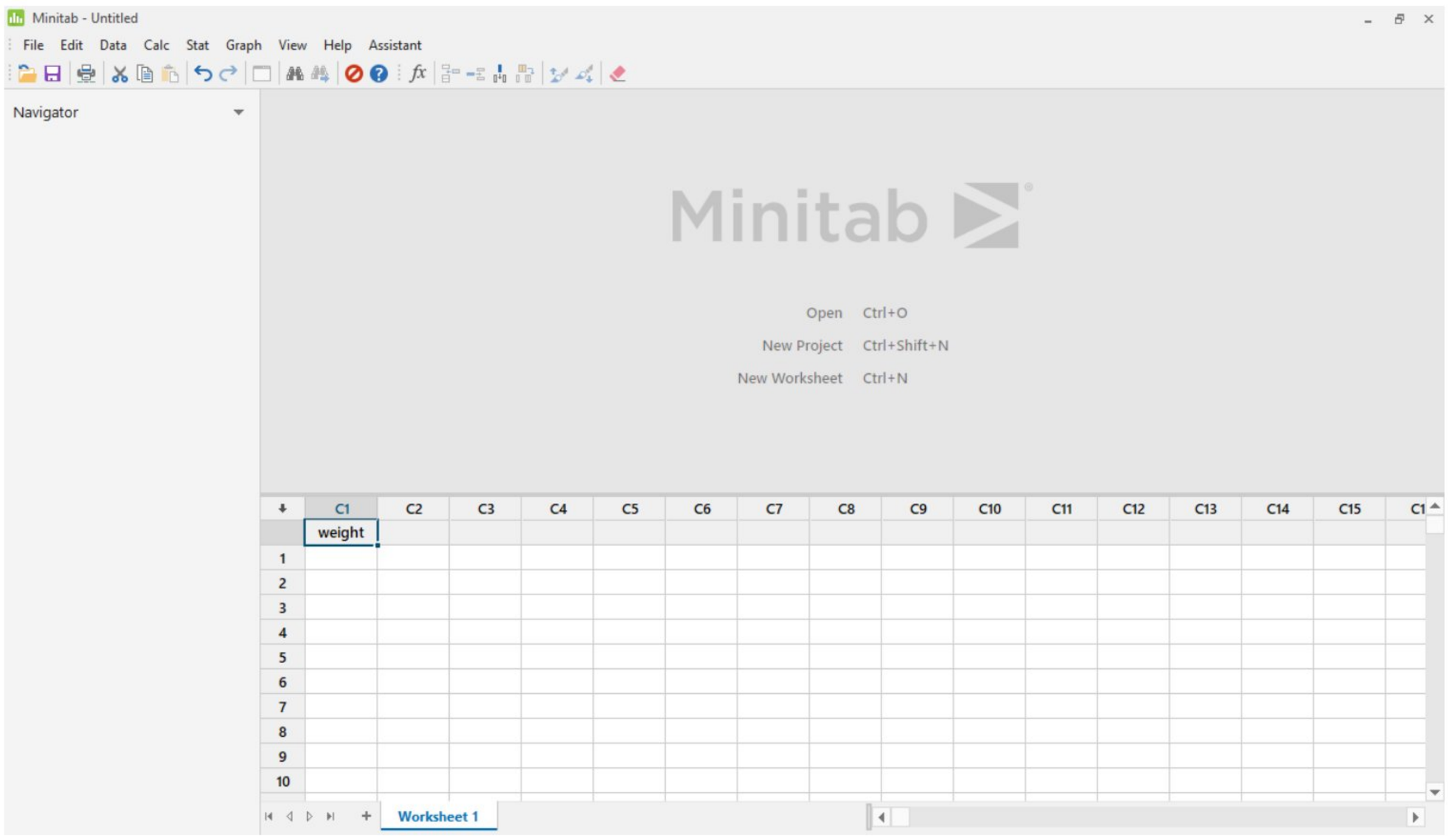


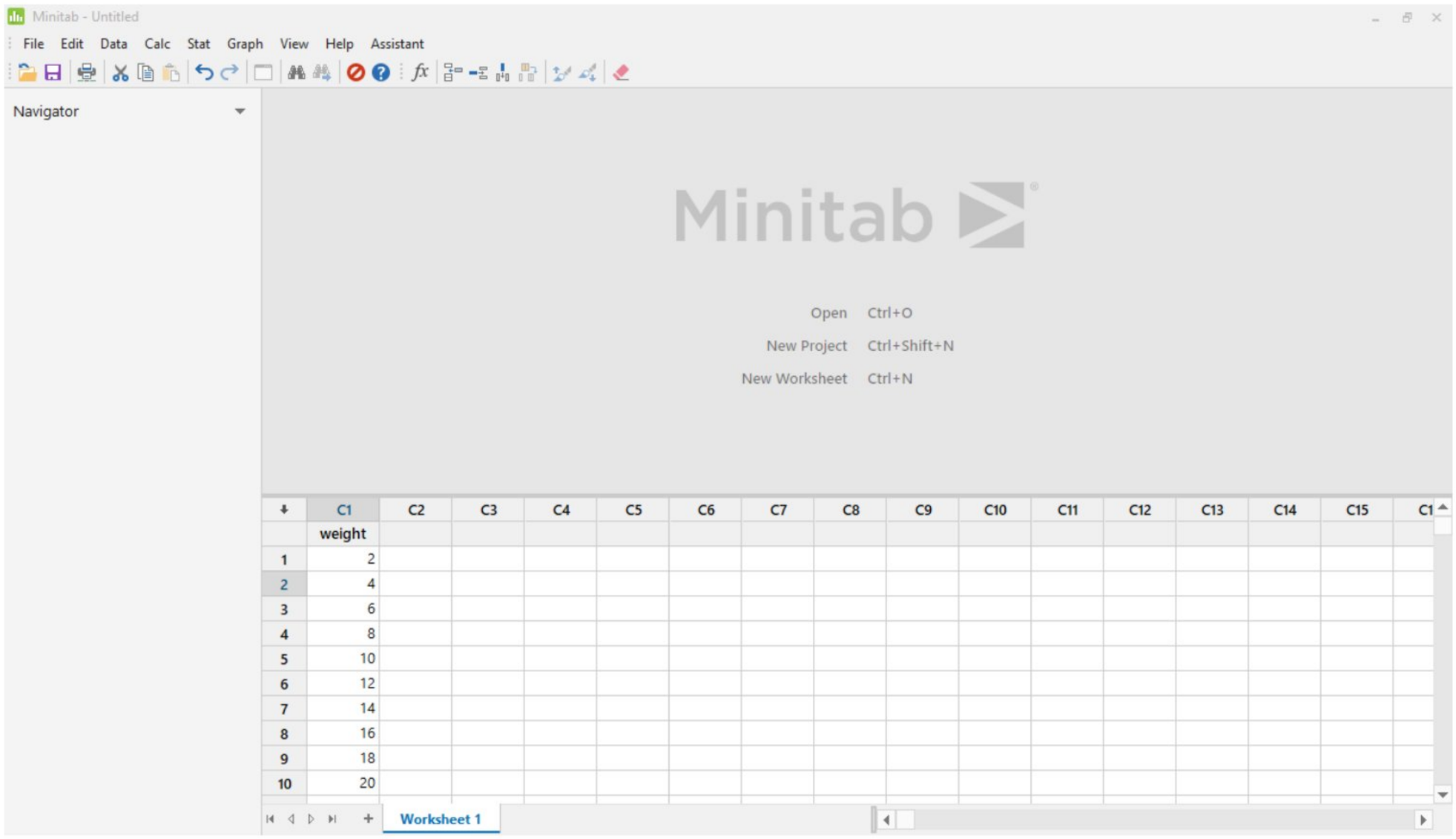
Step 1

Type the label, below C1 and above 1, in blank column, such as, weight.



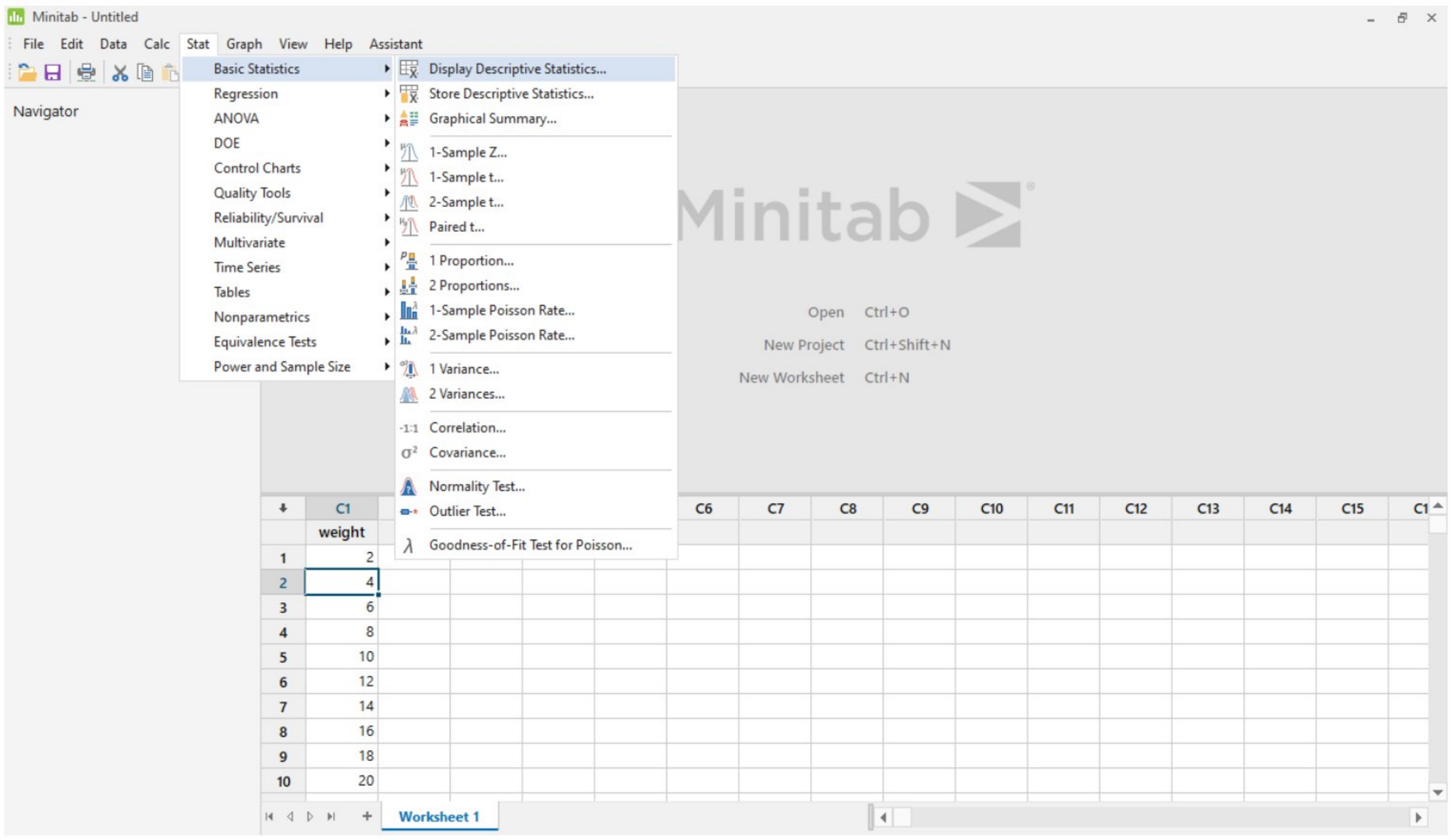
Step 2

Put the data of weight in C1 such as, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20.

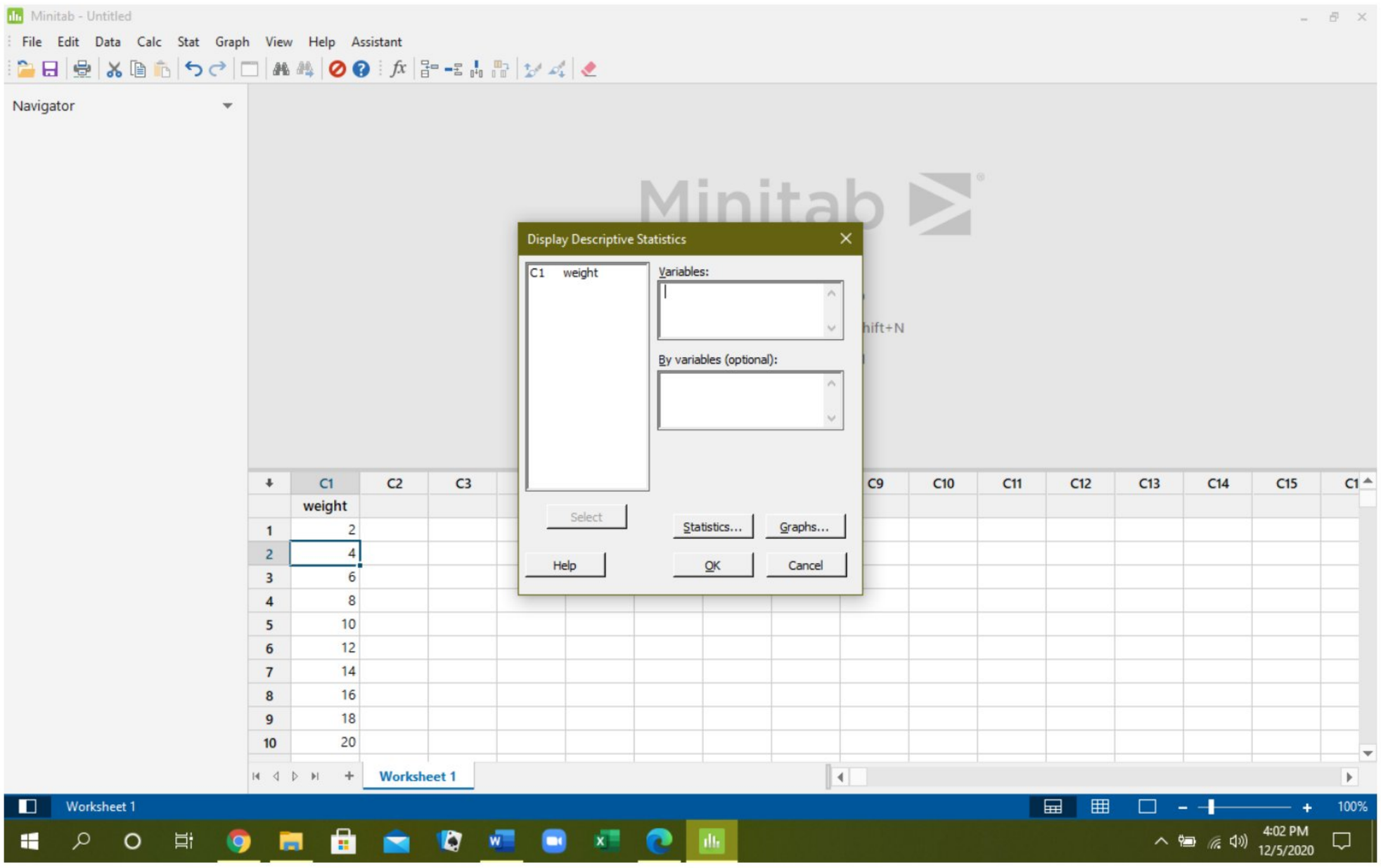


Step 3

Move the cursor to the top of screen. Click the option **stat ► basic statistics ► display descriptive statistics.**

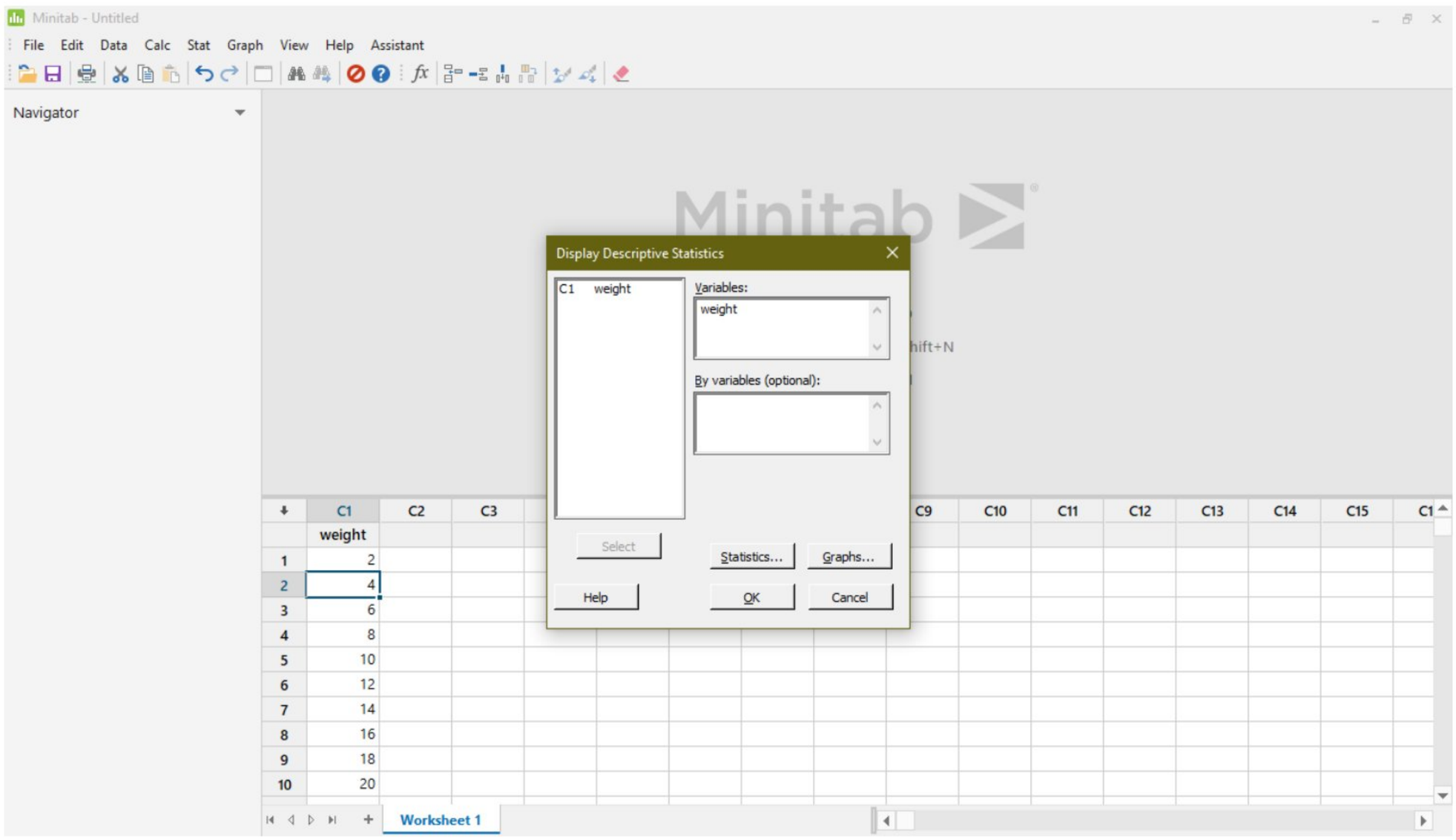


As a result, dialogue box will appear on screen.



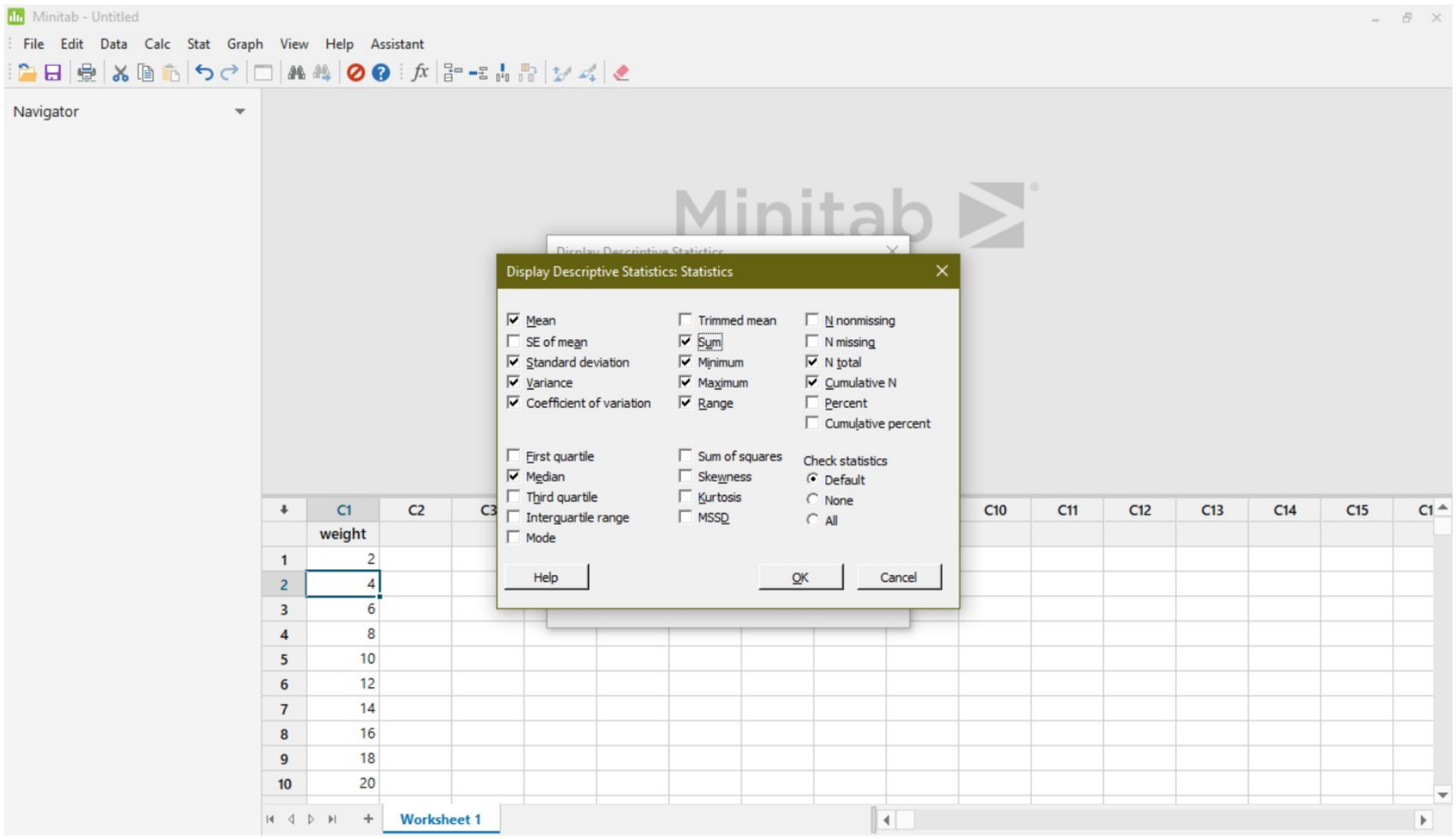
Step 4

Select the ‘C1 weight’ and click the option “select”. Weight will be entered in the variables box.



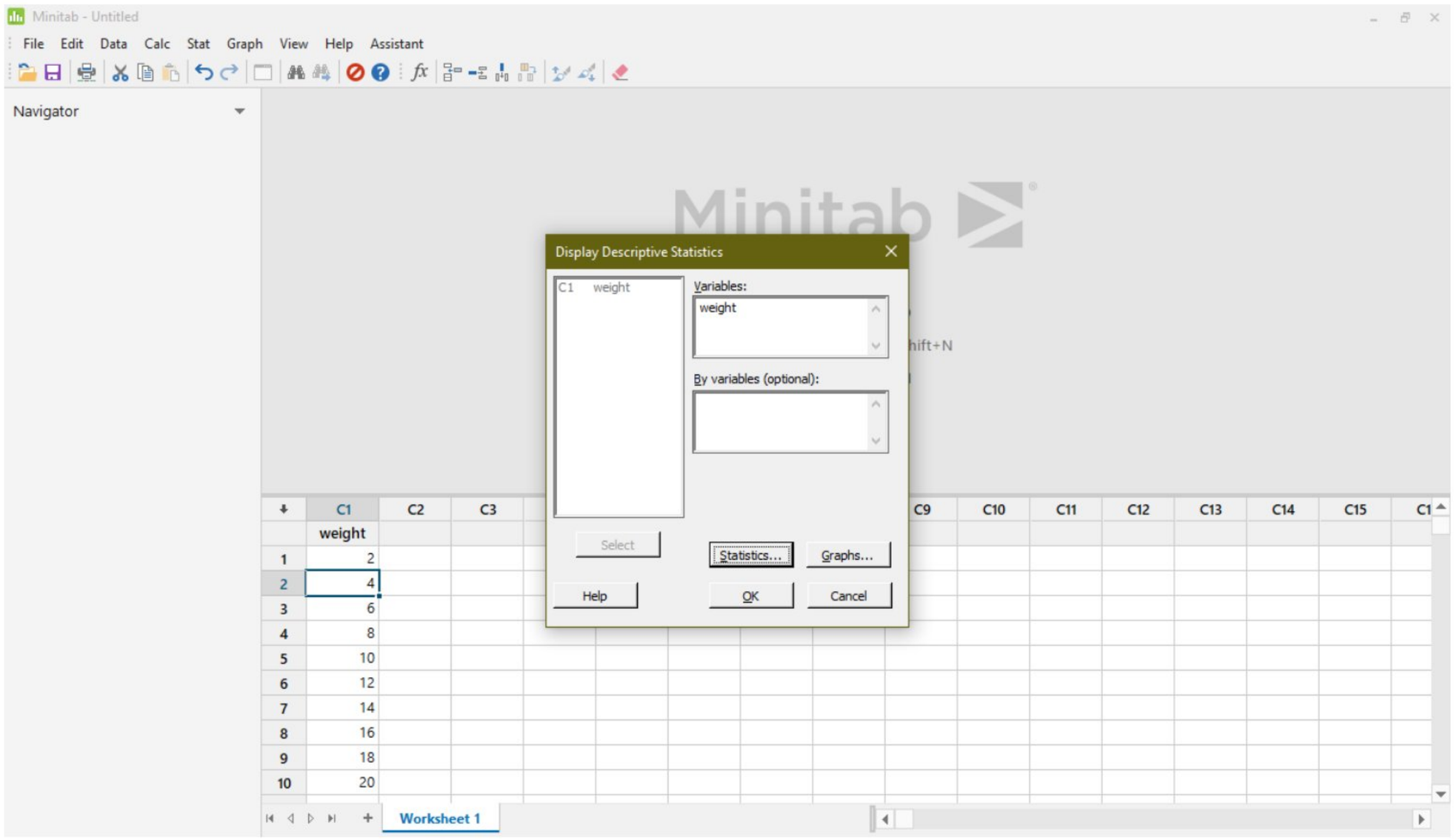
Step 5

Click the option “statistics”. A new box will appear on screen. Tick that display which you want in a result. Click the option “OK”.

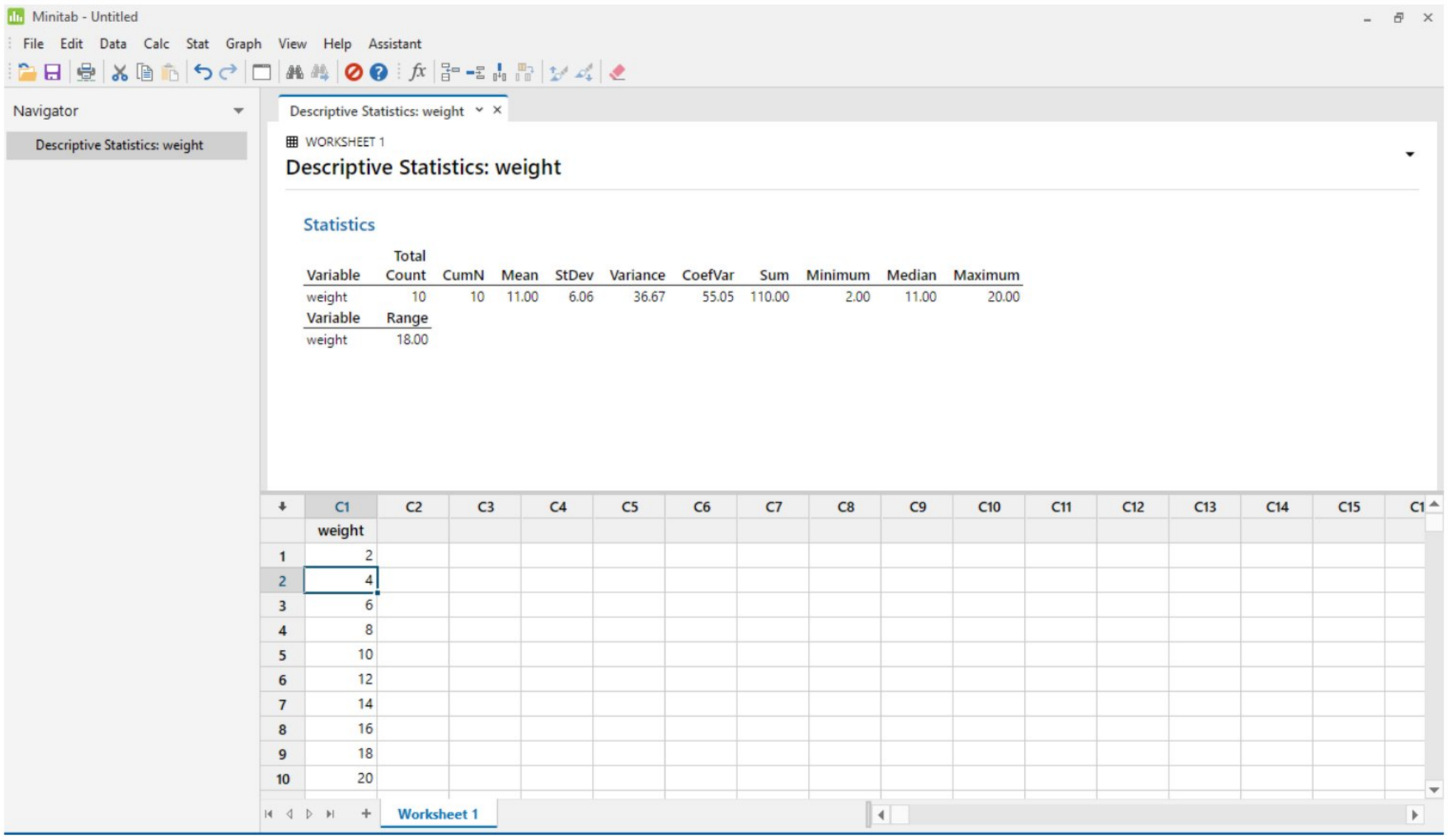


Step 6

Click the option “OK”.



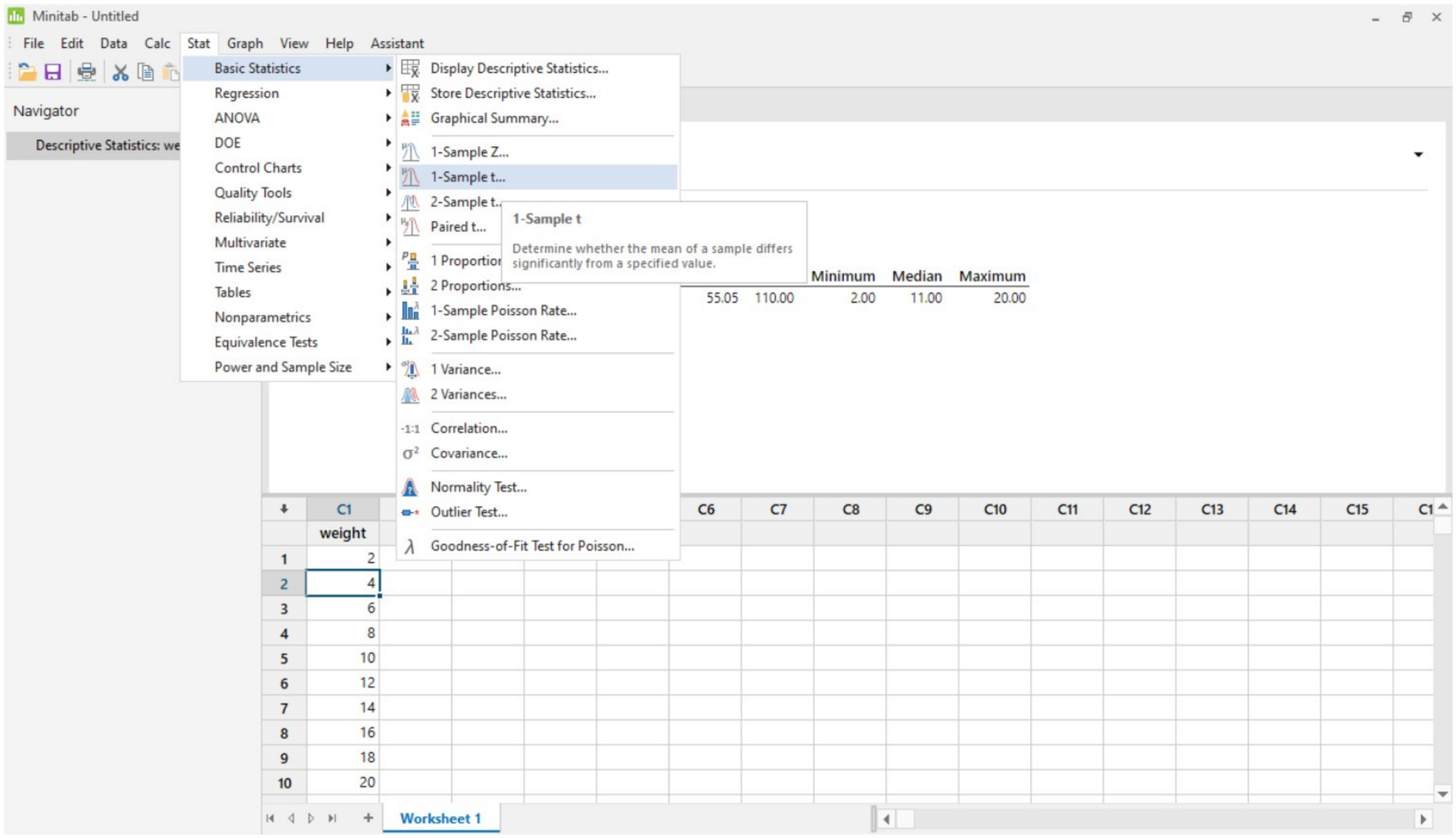
Results will show up on screen.



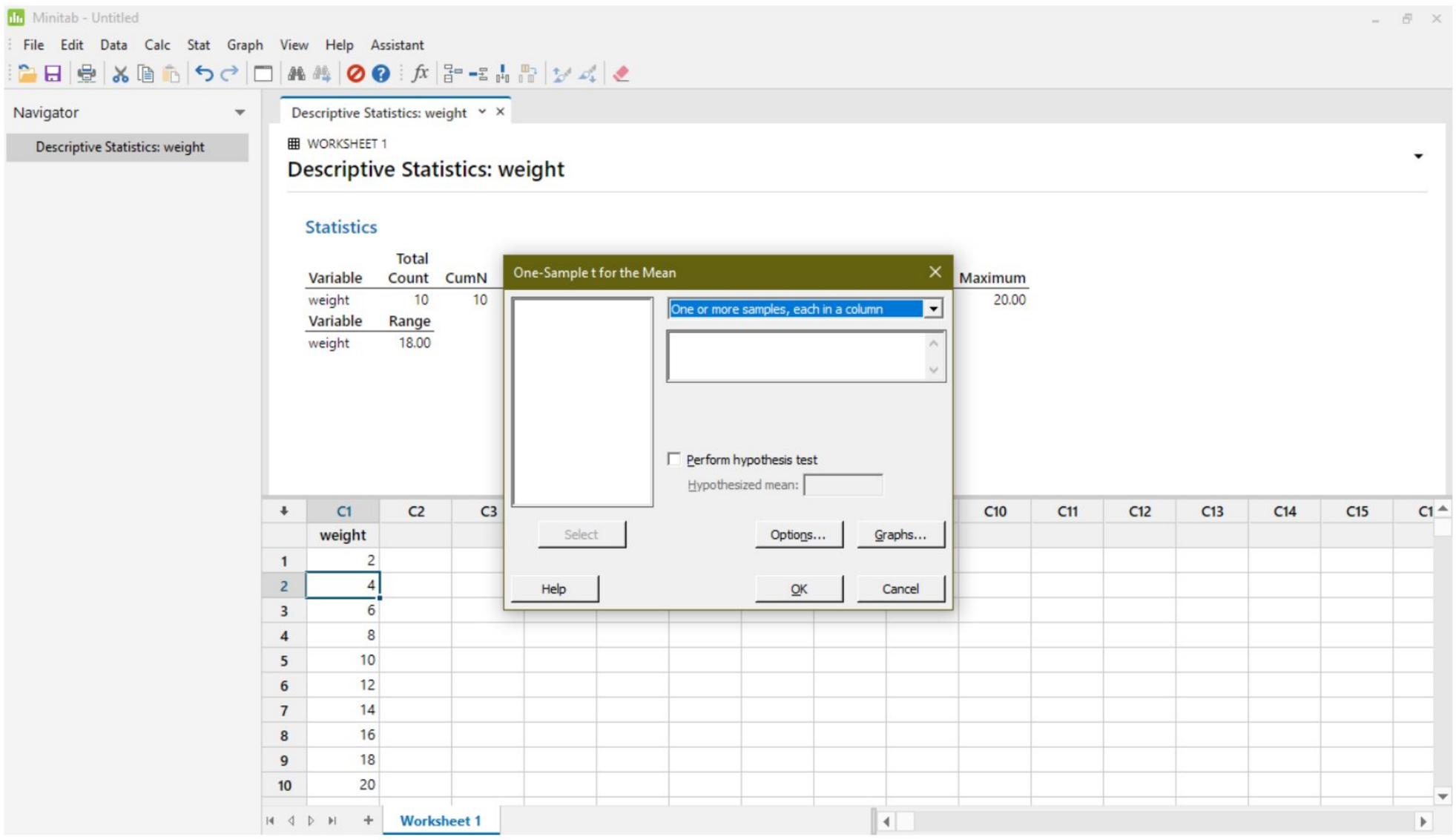
For the t-test

Step 1

Take the same data. Move the cursor to the top of the screen and select the option **stat ►basic statistics ►1 sample t-test.**

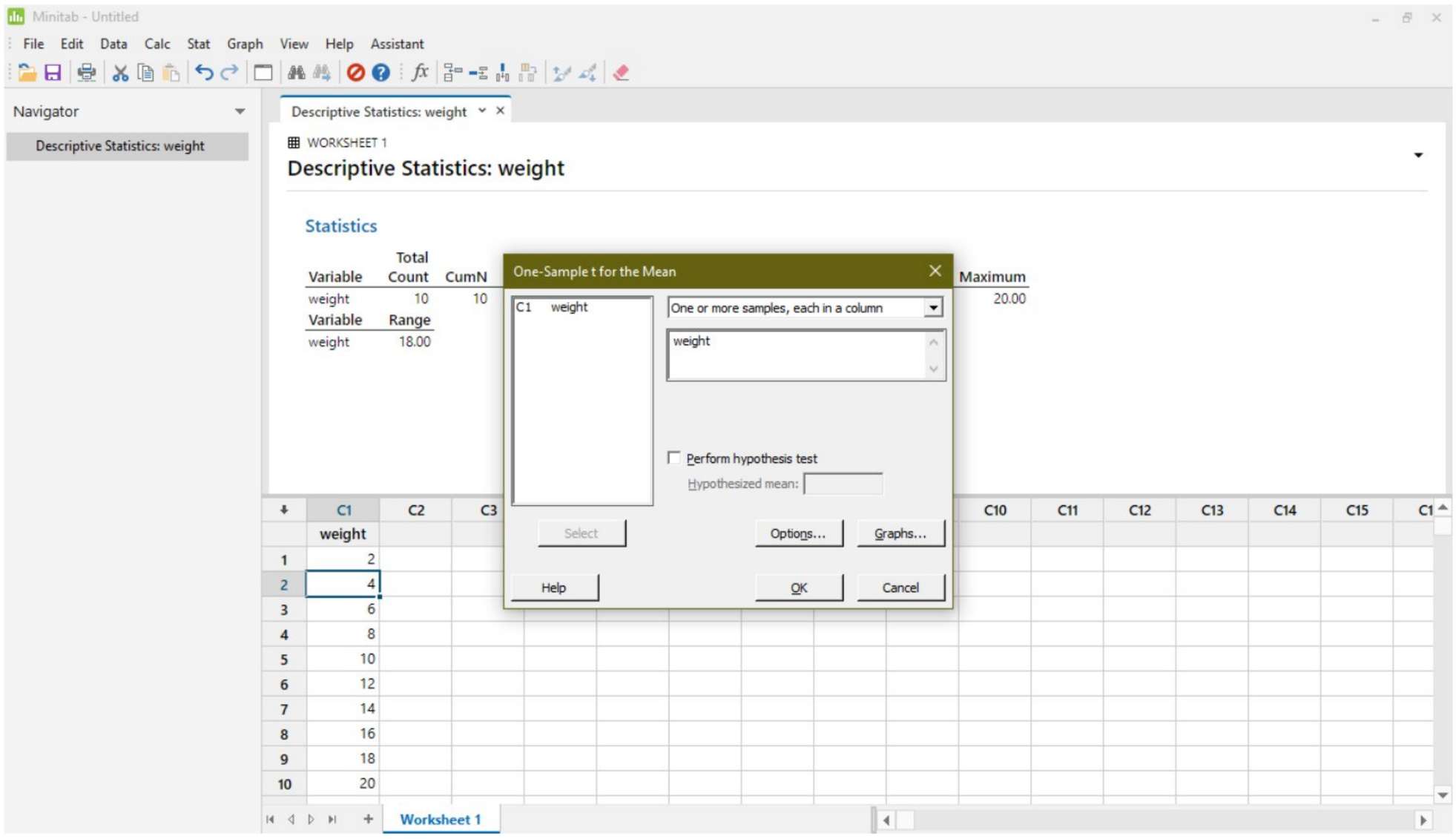


as a result, dialogue box will appear on the screen.



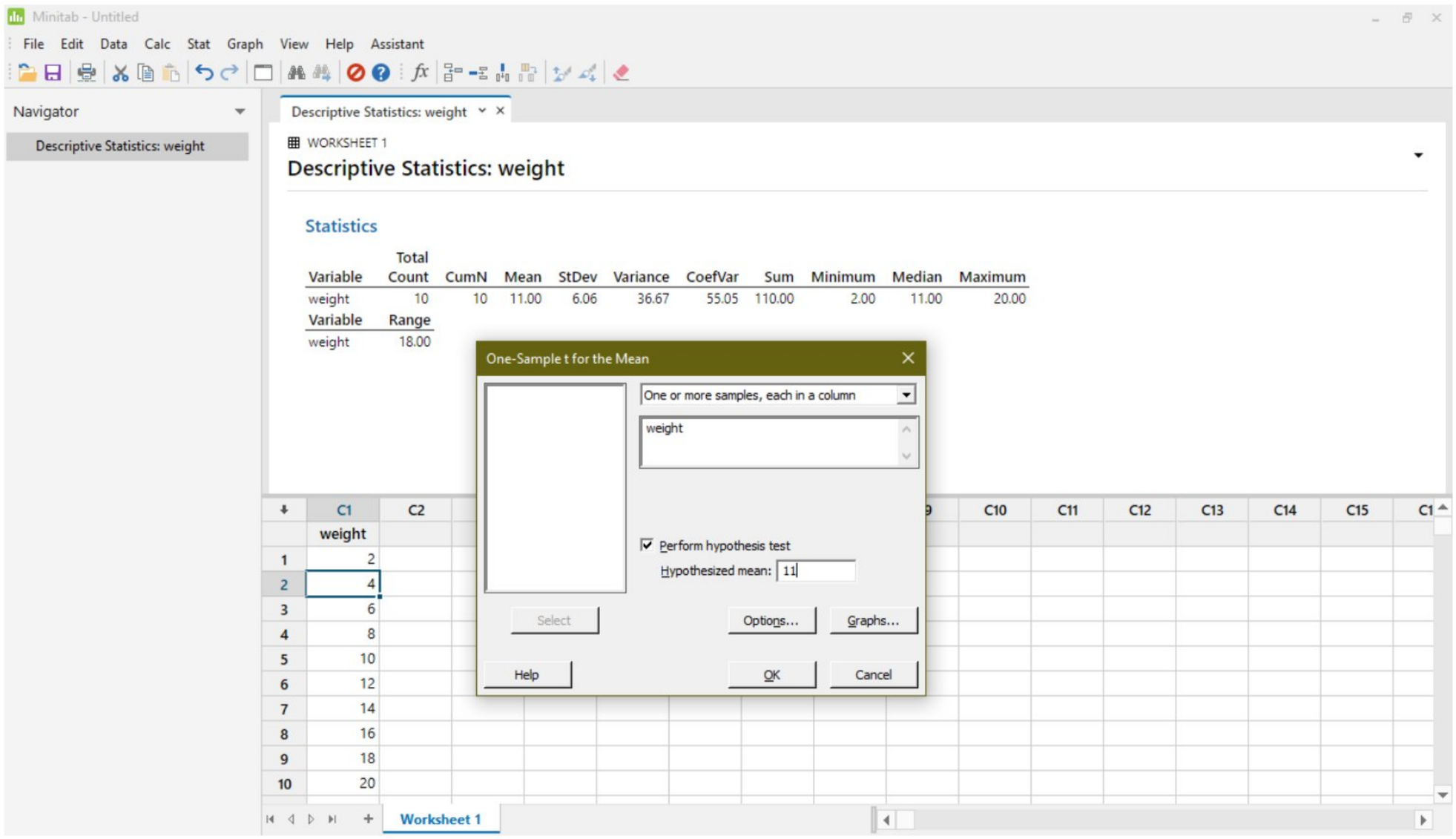
Step 2

Select the C1 weight (that will appear after click on the empty box). Click the option “select”. Weight will be entered in that empty box.



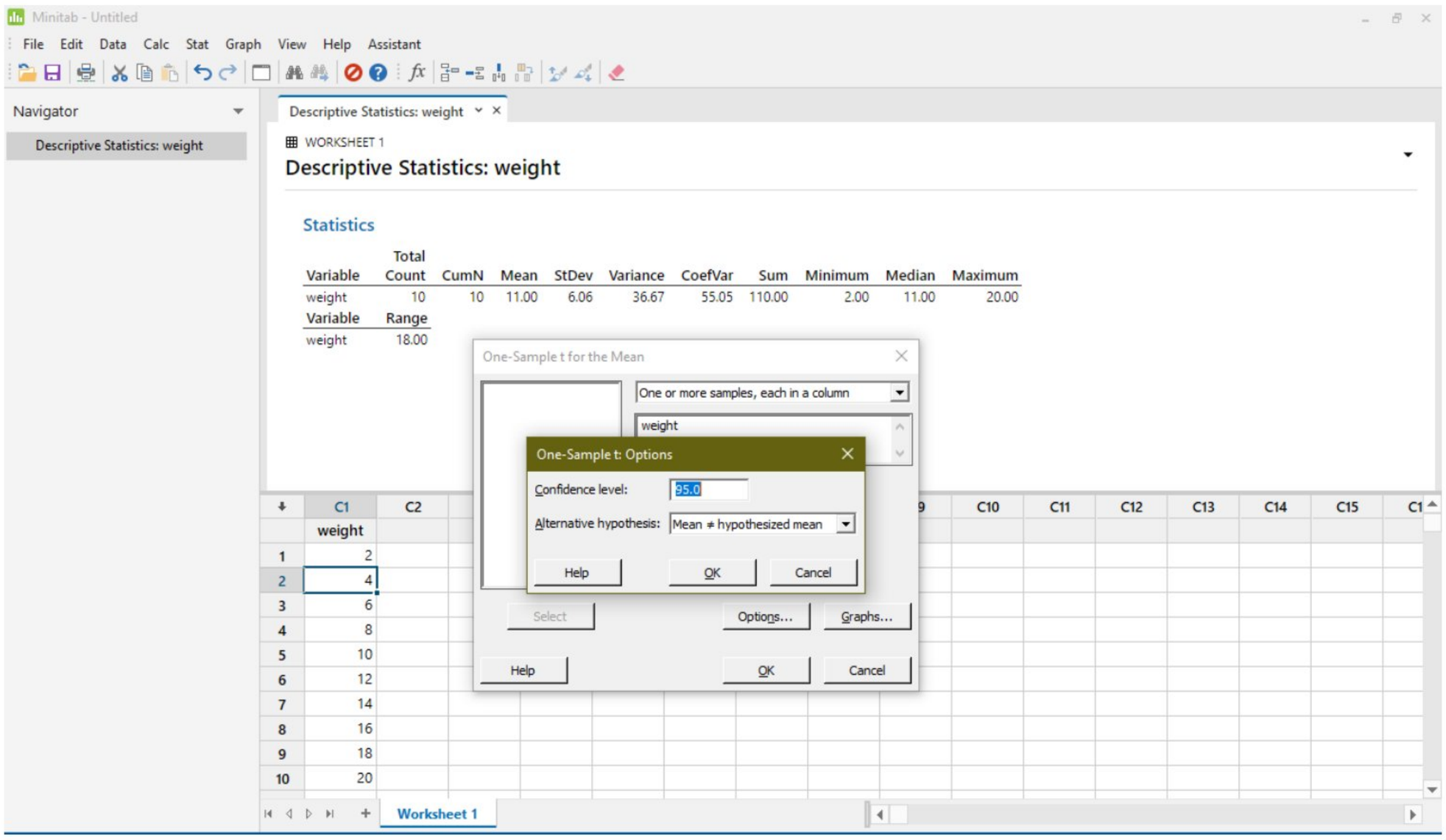
Step 3

Select the “performed hypothesized test” and enter the value of “hypothesized mean” that is 11(obtain from previous performed descriptive statistics).



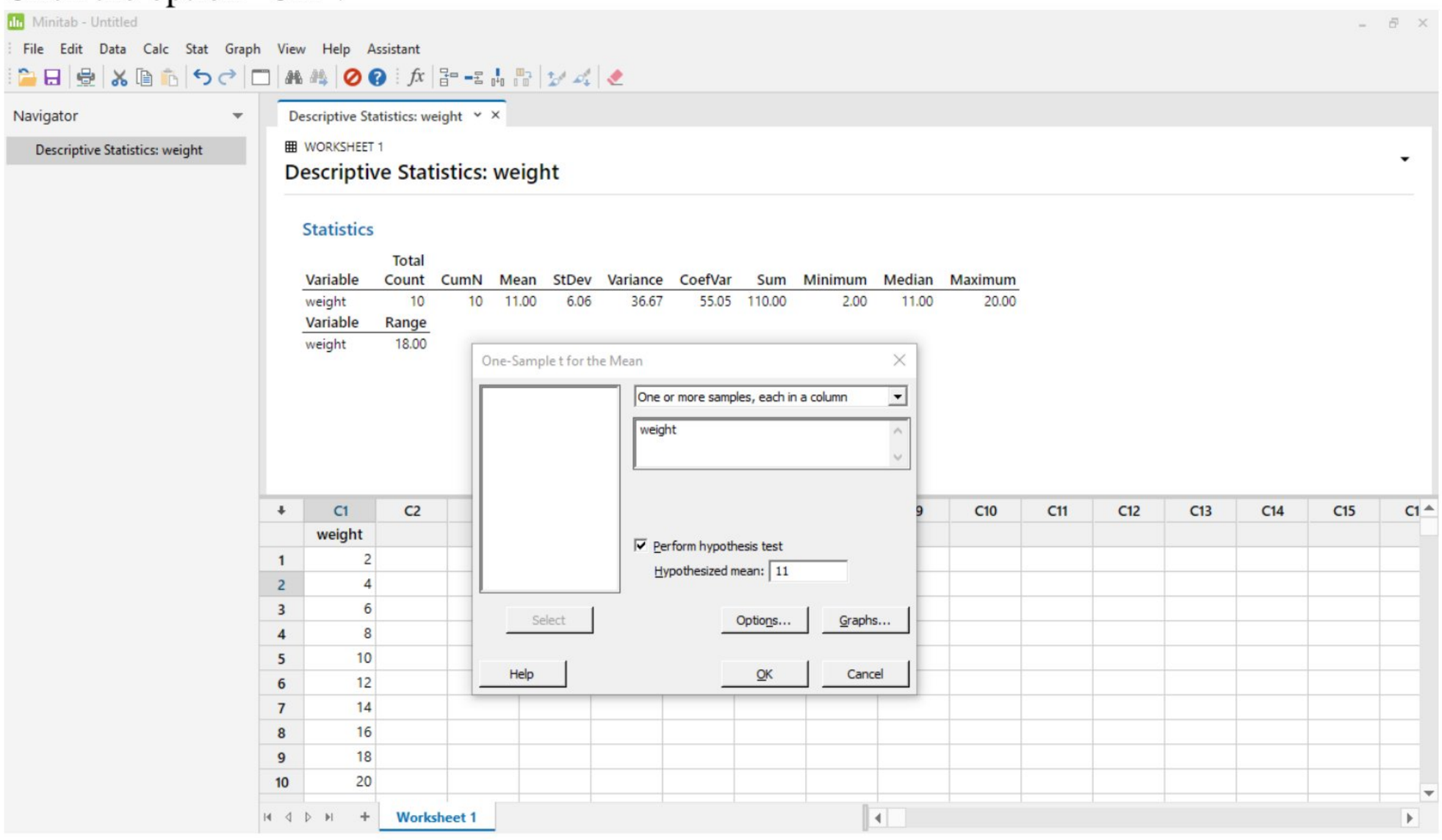
Step 4

Click on the “options”. A new box will appear on screen. Check it and click the “OK”.

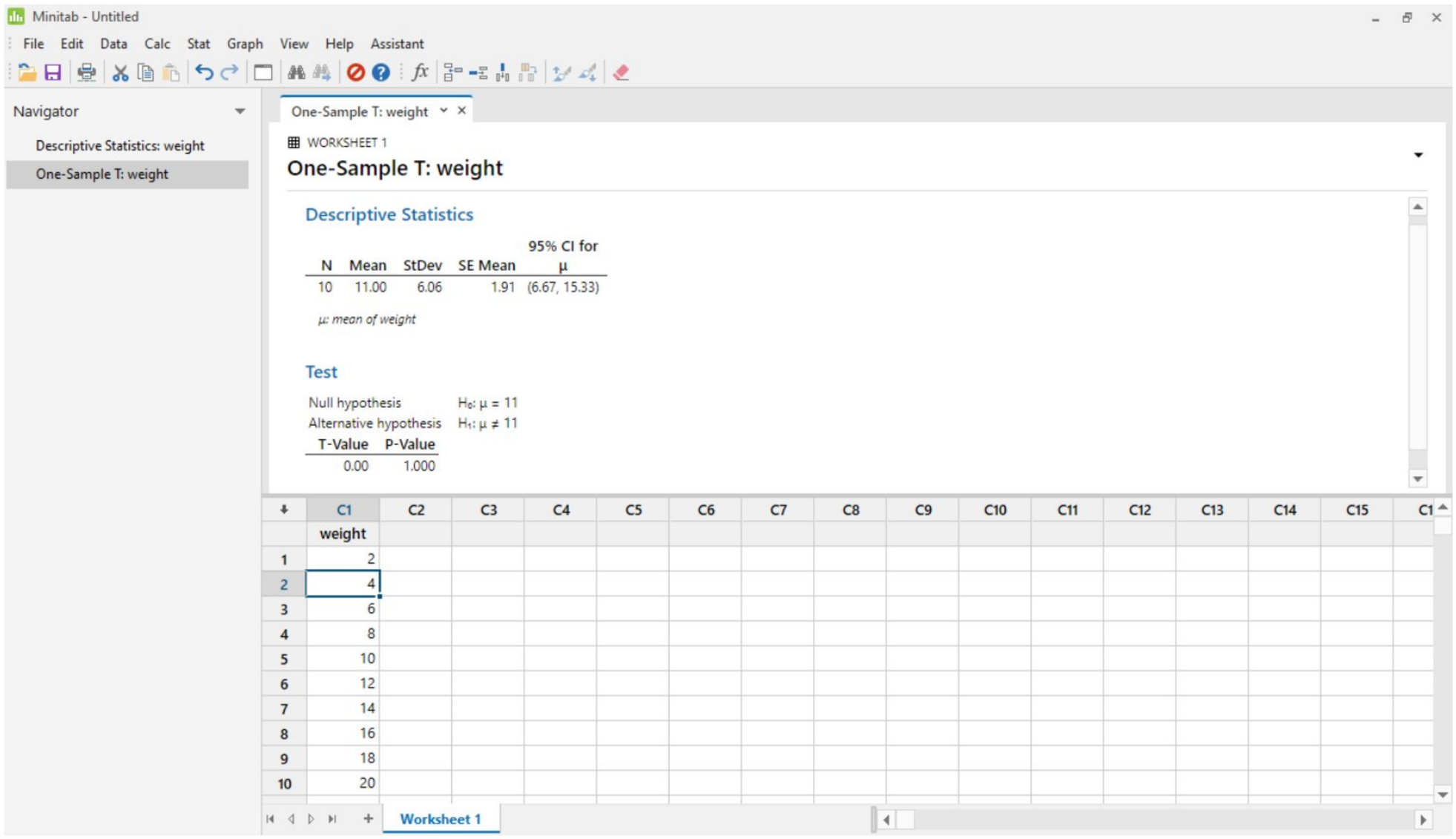


Step 5

Click the option “OK”.



results will show up on screen.



As we know the value of alpha that is $\alpha = 0.05$. if P-value is greater than alpha then accept it otherwise reject.