**5321 Homework 1.1**

**Summer 2019**

1) Arlington Amaxon, a retail giant, charges shipping as follows. If the purchase price before tax is below $100 - shipping is a flat $15.95, otherwise if below $300 - shipping is $12.95, otherwise if at or below $500 shipping is $10.95, otherwise if below $750 shipping is a flat $6.95 and otherwise shipping is free. The software calculates the total payment which includes to be purchase price + shipping + tax. Tax is 8.5% of the purchase price. The software has purchase price before tax as an input and returns the total price.

Create the following test case table in Excel.



Solution:

|  |  |  |
| --- | --- | --- |
| **Test Case Number** | **Inputs** | **Exp Outputs** |
|  | **PPBT** | **Total Price** |
| 1 | $0 | $15.95 |
| 2 | $99.99 | $124.43 |
| 3 | $100 | $121.45 |
| 4 | $299.99 | $338.43 |
| 5 | $300 | $336.45 |
| 6 | $500 | $553.45 |
| 7 | $500.01 | $549.46 |
| 8 | $749.99 | $820.68 |
| 9 | $750 | $813.75 |
| 10 | $800 | $868 |

