I.T. SBA PROGRAMMING TRACETABLE

TEST DATA WITH EXPECTED OUTPUT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Sales Details\_1 | Sales Details\_2 | Commission1 | Commission2 |
| Christine Morris | 3507.49 |  |  |  |
| Margaret Morris | 1982933 |  |  |  |
| Matthew Hall | 0 |  |  |  |
| Daniel Snyder | -4550.58 | 932.12 | -136.5174 | 27.9636 |
| Jason Ward | 4165.05 |  |  |  |
|  |  |  |  |  |
|  |  | Highest Commission Name | Margaret Morris | |
|  |  | Commission | 59487.99 |  |
|  |  | Sales Details | 1982933 |  |
|  |  | # of People Without Commission | 1 |  |

TRACETABLE

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | i | staff[i] | totsales[i] | com[i] | com[s] | high | S | A | B | no | Output |
| 5 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Initialization Started |
| 5 | 1 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 1 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 2 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 2 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 3 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 3 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 4 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 4 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 5 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 5 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 5 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Initialization Success: Please Press Enter. |
| 5 | 1 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 1 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Sales Staff Name: |
| 5 | 1 | Christine Morris | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 1 | Christine Morris | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Total Sales For staff[i]: |
| 5 | 1 | Christine Morris | 3507.49 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 0 | 0 | 1 | 0 | 0 | Commission for staff[i] is $com[i] |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 0 | 0 | 1 | 0 | 0 | Press enter to continue... |
| 5 | 2 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 2 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Sales Staff Name: |
| 5 | 2 | Margaret Morris | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 2 | Margaret Morris | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Total Sales For staff[i]: |
| 5 | 2 | Margaret Morris | 1982933 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 0 | 0 | 1 | 0 | 0 | Commission for staff[i] is $com[i] |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 0 | 0 | 1 | 0 | 0 | Press enter to continue... |
| 5 | 3 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 3 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Sales Staff Name: |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Total Sales For staff[i]: |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Commission for staff[i] is $com[i] |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Press enter to continue... |
| 5 | 4 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 4 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Sales Staff Name: |
| 5 | 4 | Daniel Snyder | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 4 | Daniel Snyder | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Total Sales For staff[i]: |
| 5 | 4 | Daniel Snyder | -4550.58 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 4 | Daniel Snyder | -4550.58 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please re-enter total sales for staff[i]: |
| 5 | 4 | Daniel Snyder | 932.12 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 0 | 0 | 2 | 0 | 0 |  |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 0 | 0 | 2 | 0 | 0 | Commission for staff[i] is $com[i] |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 0 | 0 | 2 | 0 | 0 | Press enter to continue... |
| 5 | 5 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 5 |  | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Sales Staff Name: |
| 5 | 5 | Jason Ward | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 5 | Jason Ward | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Please Input Total Sales For staff[i]: |
| 5 | 5 | Jason Ward | 4165.05 | 0 | 4165.05 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 4165.05 | 0 | 0 | 1 | 0 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 4165.05 | 0 | 0 | 1 | 0 | 0 | Commission for staff[i] is $com[i] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 4165.05 | 0 | 0 | 1 | 0 | 0 | Press enter to continue... |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 105.22 | 0 | 1 | 1 | 0 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 105.22 | 105.22 | 1 | 1 | 1 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 59487.99 | 105.22 | 2 | 1 | 1 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 59487.99 | 59487.99 | 2 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 3 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 27.96 | 59487.99 | 4 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 124.95 | 59487.99 | 5 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 124.95 | 59487.99 | 5 | 1 | 2 | 0 | Highest commission is $high by staff[B] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 124.95 | 59487.99 | 5 | 1 | 2 | 0 | Total Sales for staff[B] is $totsales[B] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 105.22 | 59487.99 | 1 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 59487.99 | 59487.99 | 2 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 3 | 1 | 2 | 0 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 27.96 | 59487.99 | 4 | 1 | 2 | 1 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 124.95 | 59487.99 | 5 | 1 | 2 | 1 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Number of people without commission :no |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Press enter to continue... |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Name of Sales Staff Member: staff[i] |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Total sales of member:$ totsales[i] |
| 5 | 1 | Christine Morris | 3507.49 | 105.22 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Commission for member:$ com[i] |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Name of Sales Staff Member: staff[i] |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Total sales of member:$ totsales[i] |
| 5 | 2 | Margaret Morris | 1982933 | 59487.99 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Commission for member:$ com[i] |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Name of Sales Staff Member: staff[i] |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Total sales of member:$ totsales[i] |
| 5 | 3 | Matthew Hall | 0 | 0 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Commission for member:$ com[i] |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Name of Sales Staff Member: staff[i] |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Total sales of member:$ totsales[i] |
| 5 | 4 | Daniel Snyder | 932.12 | 27.96 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Commission for member:$ com[i] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 |  |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Name of Sales Staff Member: staff[i] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Total sales of member:$ totsales[i] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Commission for member:$ com[i] |
| 5 | 5 | Jason Ward | 4165.05 | 124.95 | 0 | 59487.99 | 6 | 1 | 2 | 1 | Success: Please Press Enter |