|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Main  N/A | -Assign NE,SE,NW,SW variables to their corresponding string value  -Initialize NE,SE,NW,SW double variables in preparation to get their values from the user  -Assign division variables to the users input using getSales() function  -Send division variables to findHighest() function | Function output would be the variables being sent to findHighest()   * northEastSales * southEastSales * northWestSales * southWestSales |

**Get Sales function**

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Division Name  Sales | -Take division name as a string from main() function and ask the user for that divisions sales number  -Use a do, while and if statement to determine if the user entered a number greater than 0. If not, output an error and ask the user to enter another variable | Sales for that division  Using return statement and local variable(sales) |

**Find Highest Function**

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Sales for each Division | -Place sales into a corresponding salesArray  -Declare a division name array called divisionArray to hold the string names of each division. This will be ‘parallel’ to the salesArray  -Use a for loop to cycle through each element of the salesArray to determine the div. with the highest sales  -Assign array element[i] to highestDivision and salesArray | -Print the name of division with the highest sales and the amount that they sold. |