Overview: From here, the worker will collect all the parts for an order and place them inside a tote labeled as 'comp'. They will scan each part from their shelves into the tote before passing it to the internet shippers. This will only occur if ALL parts have been staged.

Note: Read Step 4 from Implementation #2 Shipping Customer Orders as a reference for this part

Code Used:
- Oracle_Connection.py
- Input_Command.py
    - Functions Used
        - read_command()
        - gather_parts()
        - move_parts_to_process

Step 1: The worker will navigate to the "Gather Order Parts" window. From here the worker will be shown which orders are ready to be gathered.

```
1. Start Picking
2. Stage Items
3. Gather Order Parts
4. Move Parts
5. Process Receiving Items
0. Exit Program
Enter your Command: 3
Gather Order Parts
Orders Ready To Be Processed
Order ID: 8
Order ID: 9
Order ID: 16
Pick Order ID:
```

Quick Note: In this image below, I've displayed the locations for all parts for an order. As shown, there are some parts in the staging area for Order ID 11, but there are still some parts that need to be staged. For that matter, order id 11 won't appear in the "Gather Order Parts" window.

	ID	ORDER_ID	PRODUCT_ID	UNITS	BIN	ZONE
.3	27	9	8	1	STAGE	STAGE_016
.4	29	9	9	1	STAGE	STAGE_016
.5	30	11	12	1	STAGE	STAGE_015
.6	34	11	13	1	PICK	GREY_TOTE_101
.7	33	11	12	1	PICK	GREY_TOTE_101
.8	32	11	12	1	PICK	GREY_TOTE_101
.9	31	11	12	1	PICK	GREY_TOTE_101

Step 2: From here the worker will input which order they want to gather parts from. In this case we will go with order 8. Next, we will be prompted what tote we will be putting our parts into. We will be placing ours in tote ORDER_TOTE_00008

```
Orders Ready To Be Processed
Order ID: 8
Order ID: 9
Order ID: 16
Pick Order ID: 8
Scan Order Box: ORDER TOTE 00008
```

Reference. The image below shows the orders that have already been gathered to be finalized by the internet shippers. As you can see, ORDER_TOTE_00008 is free to use.

	ORDER_ID	PRODUCT_ID	COUNT(UNITS)	BIN	ZONE
1	15	5	4	COMP	ORDER_TOTE_00005
2	15	9	2	COMP	ORDER_TOTE_00005
3	7	10	2	COMP	ORDER_TOTE_00005
4	7	11	1	COMP	ORDER_TOTE_00005
5	4	5	1	COMP	ORDER_TOTE_00010
6	12	15	5	COMP	ORDER_TOTE_00015

Step 3:
Reference Image. This shows us the stage zones we will go to before moving the parts.

ORDER_ID	PRODUCT_ID	QTY	BIN	ZONE
8	6	3	STAGE	STAGE_015
8	7	2	STAGE	STAGE_016
8	6	1	STAGE	STAGE_041

From here, the machine will tell us to go to every staging shelf to get our parts. We will be prompted to scan the correct Stage Zone and the Product ID. Each time we scan a part, 1 unit from the product will be moved from that shelf.

```
Go to Zone: STAGE_015
Scan Zone: STAGE_015
Correct Zone
Scan Product: 6
Part: 6
Correct Part Scanned
Scan Product: 6
Part: 6
Correct Part Scanned
Scan Product: 6
Part: 6
Correct Part Scanned
Go to Zone: STAGE_016
Scan Zone:
```

In this case, we were prompted three times to scan product 6 into our tote before being asked to move to STAGE_016

Note: In the image below, it shows that 3 parts from product 6 have been moved to the assigned tote. We still have to collect 1 more product 6, but it's located in STAGE_041

	ORDER_ID	PRODUCT_ID	QTY	BIN	ZONE
1	8	6	3	COMP	ORDER_TOTE_00008
2	8	7	2	STAGE	STAGE_016
3	8	6	1	STAGE	STAGE_041

The Order List table has been updated as well.

	ORDER_ID	PRODUCT_ID	QTY	BIN	ZONE
7	5	10	2	REC	Receiving
8	7	10	2	COMP	ORDER_TOTE_00005
9	7	11	1	COMP	ORDER_TOTE_00005
0	8	6	3	COMP	ORDER_TOTE_00008
1	8	7	2	STAGE	STAGE_016
2	8	6	1	STAGE	STAGE_041
3	9	8	2	STAGE	STAGE_015
4	9	8	2	STAGE	STAGE_016
5	9	9	1	STAGE	STAGE_016
6	11	12	3	PICK	GREY_TOTE_101
7	11	13	1	PICK	GREY_TOTE_101
8	11	12	1	STAGE	STAGE_015
9	12	15	5	COMP	ORDER_TOTE_00015
0	13	11	1	PICK	GREY_TOTE_101

Step 4: We will continue to scan all our parts for the order until we are done. Once the worker has completed their job, then they will be redirected to the "Gather Orders Part" window to see if there are any Orders to gather.

```
Correct Zone
Scan Product: 6
Part: 6
Correct Part Scanned
Orders Ready To Be Processed
Order ID: 9
Order ID: 16
Pick Order ID:
```

In this case, we have to gather the parts for order 9 and 16. We will do the same from Step 2 and onwards.

Final Note:

ORD...	PRODUCT_ID	QTY	BIN	ZONE
1	4	5	1 COMP	ORDER_TOTE_00010
2	7	10	2 COMP	ORDER_TOTE_00005
3	7	11	1 COMP	ORDER_TOTE_00005
4	8	6	4 COMP	ORDER_TOTE_00008
5	8	7	2 COMP	ORDER_TOTE_00008
6	12	15	5 COMP	ORDER_TOTE_00015
7	15	5	4 COMP	ORDER_TOTE_00005
8	15	9	2 COMP	ORDER_TOTE_00005

In the order list, you can now see which orders are ready to be processed by the internet shippers.