

Overview: For this part, the worker will begin scanning parts from the tote box to the shelfs. Use Implementation 2: Shipping Customer Order Step 3 as reference.

Code Used:

Oracle_Connection.py Input_Command.py

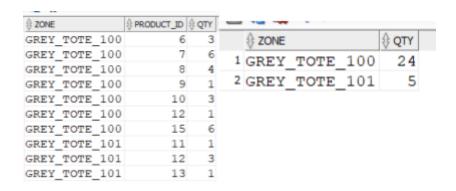
- Methods Used
- read_command()
- staging_parts()
- move_to_staging()

Step 1: Once there are parts in a grey tote, then the worker will start moving those parts from their box to the shelfs. They will first have to navigate through their device to the "Stage Items" window.



Step 2: From there, the worker will be prompted to scan a grey tote with parts in them.

The image below is a reference for what grey totes currently have parts in them



For the worker, when they receive their totes, the names will already be in them. All they have to do is write it in or scan the id. In this case we will use GREY_TOTE_100 and scan out parts from them to the shelves

```
Stage Items
Scan Tote: GREY_TOTE_100
```

Step 3: From here, the user will be prompted to scan parts from the tote one by one. In the image below, I need product id 6. I put in the wrong value the first time, but I'm prompted again to scan the correct part.

```
Need Product: 6
Scan Part: 3
Incorrect Part Scanned
Scan Part: 6
```

Step 4: From here the worker will look for an available shelf and scan the location.

Note: The image below shows you that there's already parts on the shelves. To make it easier to see a change, we will be moving our parts to between STAGE_015 and STAGE_016

	♦ ORDER_ID		⊕ QTY	∯ BIN	ZONE
1	7	11	1	STAGE	STAGE_001
2	13	11	1	STAGE	STAGE_002
3	15	9	2	STAGE	STAGE_005
4	13	10	1	STAGE	STAGE_005
5	4	5	1	STAGE	STAGE_010
6	15	5	1	STAGE	STAGE_022
7	16	10	2	STAGE	STAGE_025
8	15	5	1	STAGE	STAGE_030
9	15	5	2	STAGE	STAGE_040
10	8	6	1	STAGE	STAGE_041

As shown below, the worker will scan the product's new location, in this case it will be STAGE_015. Note that it will only count the parts 1 at a time, so the worker will scan the same part into the shelves if there are more than 1.

Scan Part: 6
Scan Stage Area: STAGE_015

Step 4: The worker will be prompted repeatedly until all parts have been scanned from the tote. In this image, it shows that I've scan 3 product id 6 into shelf STAGE_015.

```
Need Product: 6
Scan Part: 3
Incorrect Part Scanned
Scan Part: 6
Scan Stage Area: STAGE_015
Need Product: 6
Scan Part: 6
Scan Stage Area: STAGE_015
Need Product: 6
Scan Part: 6
Scan Part: 6
Scan Part: 6
Scan Stage Area: STAGE_015
Need Product: 7
Scan Part:
```

In this image, it now shows that I've scanned 3 products into shelf STAGE 015 as I intended.

	♦ ORDER_ID	₱ PRODUCT_ID	⊕ QTY	∯ BIN		
1	7	11	1	STAGE	STAGE_001	1
2	13	11	1	STAGE	STAGE_002	2
3	15	9	2	STAGE	STAGE_005	5
4	13	10	1	STAGE	STAGE_005	5
5	4	5	1	STAGE	STAGE_010	О
6	8	6	3	STAGE	STAGE_015	5
7	15	5	1	STAGE	STAGE_022	2
8	16	10	2	STAGE	STAGE_025	5
9	15	5	1	STAGE	STAGE_030	О
10	15	5	2	STAGE	STAGE_040	О
11	8	6	1	STAGE	STAGE_041	1

We will now continue to scan our items onto the shelves, until we are prompted again to scan a tote. In this case, I inputted the same grey tote number into my input, and I was prompted that the tote is incorrect or empty.

```
Scan Part: 15
Scan Stage Area: STAGE_015
Need Product: 15
Scan Part: 15
Scan Stage Area: STAGE_015
Scan Tote: GREY_TOTE_100
Incorrrect Tote Or Tote Is Empty
```

Final Notes: Now I will demonstrate how it looks in the database. It displays now that there are no grey tote 100 with parts in them.

	Y	♦ PRODUCT_ID	⊕ QTY		⊕ QTY
GREY_TOTE	101	11	1	1 GREY_TOT	E_101 5
GREY_TOTE_	101	12	3		
GREY_TOTE	101	13	1		

My order_list table is updated to show that the parts were moved to stage 015 or stage 016

,	_					- 1
	♦ ORDER_ID	₱ PRODUCT_ID	∯ QTY	∯ BIN	ZONE	
1	7	11	1	STAGE	STAGE_	001
2	13	11	1	STAGE	STAGE_	002
3	15	9	2	STAGE	STAGE	005
4	13	10	1	STAGE	STAGE_	005
5	4	5	1	STAGE	STAGE	010
6	8	6	3	STAGE	STAGE_	015
7	9	8	2	STAGE	STAGE_	015
8	11	12	1	STAGE	STAGE_	015
9	12	15	5	STAGE	STAGE_	015
10	14	15	1	STAGE	STAGE_	015
11	8	7	2	STAGE	STAGE_	016
12	16	7	4	STAGE	STAGE_	016
13	9	8	2	STAGE	STAGE_	016
14	9	9	1	STAGE	STAGE_	016
15	7	10	2	STAGE	STAGE_	016
16	13	10	1	STAGE	STAGE	016
17	15	5	1	STAGE	STAGE_	022
18	16	10	2	STAGE	STAGE_	025