

ALA:-1

❖ Error Code:-

1. items = ["Rice", "Sugar", "Oil"]

Solution: items = ("Rice", "Sugar", "Oil")

2. qty = input("Enter quantity: ")

Solution: qty = int (input("Enter quantity: "))
index = items.index(name)

3. total = 0 print("Total:", Total)

Solution: print("Total:", total)

4. for i in range(3)

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Correct Code:

```
print("Grocery Billing")
```

```
items = ("Rice", "Sugar", "Oil")
```

```
price = [50, 40, 120]
```

```
name = input("Enter item: ")
```

```
qty = int (input("Enter quantity: "))
```

```
index = items.index(name)
```

```
if price[index] * qty > 0:
```

```
    total = price[index] * qty
```

```
else:
```

```
    total = 0
```

```
print("Total:", total)
```

```
for i in range(3) :
```

```
    print("Billed")
```

```
print("Exit")
```

❖ List of error:**1. Syntax Errors**

- Missing colon (:) after the if statement → if price[index] * qty > 0
- Missing colon (:) after the else statement
- Missing colon (:) after the for loop
- Multiple statements written on the same line without proper separation
- Missing indentation after:
 - if statement
 - else statement
 - for loop

2. Type Error

- qty is taken using input() (string type) but used in multiplication without converting to integer.

3. Name Error

- Variable name mismatch → total is defined but Total is printed (Python is case-sensitive).

4. Runtime Error

- items.index(name) may cause an error if the entered item is not present in the list.

5. Logical Error

- Unnecessary condition used in the if statement for calculating total.