

**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.