ACT #40 Answer Sheett

```javascript
function runActivity() {
    const fruit_names = [];
    const fruit_prices = [];
    const fruit_stocks = [];

    function addItem() {
        let fruit_name = prompt("What is the name of the fruit?");
        let fruit_price = Number(prompt("What is the price of the fruit?"));

        if (fruit_price >= 0) {
            fruit_names.push(fruit_name);
            fruit_prices.push(fruit_price);
            fruit_stocks.push(0);
            console.log(
                fruit_name +
                    " added as items for sale. Each " +
                    fruit_name +
                    " sells for " +
                    fruit_price +
                    ". Stock set to 0."
            );
        } else {
            console.error("ERROR: Invalid price! Enter a positive value.");
        }
    }

    function restock() {
        let choice = prompt("What would you like to add stock to?");
        let fruit_found = false;

        for (let i = 0; i < fruit_names.length; i++) {
            if (fruit_names[i] == choice) {
                fruit_found = true;
                let amount = Number(
                    prompt("How many of " + choice + " would you like to add to stock?")
                );
                if (amount > 0) {
```

```javascript
            fruit_stocks[i] += amount;
            console.log(
                amount +
                    " stocks has been added to " +
                    choice +
                    ". New stock: " +
                    fruit_stocks[i]
            );
            break;
        } else {
            console.error("ERROR: Invalid negative amount!");
        }
    }
}

    if (fruit_found == false) {
        console.error("ERROR: Fruit not found!");
    }
}

function checkPrice() {
    let choice = prompt("What would you like to check the price of?");
    let fruit_found = false;

    for (let i = 0; i < fruit_names.length; i++) {
        if (fruit_names[i] == choice) {
            fruit_found = true;
            let amount = Number(
                prompt(
                    "How many of " + choice + " would you like to check the price of?"
                )
            );
            if (amount > 0) {
                let total_price = amount * fruit_prices[i];
                console.log(amount + " of " + choice + " is worth " + total_price);
                break;
            } else {
                console.error("ERROR: Invalid negative amount!");
            }
        }
    }
```

```javascript
    if (fruit_found == false) {
        console.error("ERROR: Fruit not found!");
    }
  }
}


function sell() {
    let choice_name = prompt("What would you like to buy?");
    let fruit_found = false;

    for (let i = 0; i < fruit_names.length; i++) {
        if (fruit_names[i] == choice_name) {
            fruit_found = true;
            let amount = Number(
                prompt("How many " + choice_name + " would you like buy?")
            );
            if (amount > 0) {
                if (fruit_stocks[i] >= amount) {
                    let total = amount * fruit_prices[i];
                    fruit_stocks[i] -= amount;
                    console.log(
                        amount +
                            " of " +
                            choice_name +
                            " sold for " +
                            total +
                            ". New stock: " +
                            fruit_stocks[i]
                    );
                    break;
                } else {
                    console.error("ERROR: Not enough stock!");
                }
            } else {
                console.error("ERROR: Can not have negative amount.");
            }
        }
    }
}
```

```javascript
        if (fruit_found == false) {
            console.error("ERROR: Fruit was not found.");
        }
    }


    alert("Daiben's Fruit Store");
    let i = 0;
    while (i == 0) {
        let choice = Number(
            prompt("(1) Add new items (2) Restock (3) Check price (4) Sell (5) Stop")
        );
        switch (choice) {
            case 1:
                addItem();
                break;
            case 2:
                restock();
                break;
            case 3:
                checkPrice();
                break;
            case 4:
                sell();
                break;
            case 5:
                i = 1;
                break;
            default:
                console.error("ERROR: Enter one of the choices.");
        }
    }
}
```