**Time:** 1 hour

**Purpose:** This activity helps you get familiar with data types by tasking you with creating the raw data types we will use in the random data generator.

**Introduction:** We’re now starting to build our random data generator app and we need some random data sets to pick from. So in this activity, we’re going to go about creating them.

For this activity, you can either use your existing random data generator code you’ve created or below

**Task:** Extend the example code with arrays of data to pick from for:

* Lastname
* Total price
* Deposit paid
* Additional needs

|  |  |
| --- | --- |
|  | const firstnames = ["Mark", "James", "Alison", "Mary"]; |
|  |  |
|  | let firstname = firstnames[1]; |
|  |  |
|  | console.log(firstname); |

Answer:

const firstnames = ["Mark", "James", "Alison", "Mary"];

const lastnames = ["Smith", "Roberts", "Brown", "Williams"]

const prices = [100, 200, 300];

const paidOptions = ["true", "false"];

const additionalOptions = ["Cake", "Breakfast", "Tea", "Coffee", "Newspaper"];

const pickRandomItem = (array) => {

    let randomValue = Math.random()

    let randomIndex = Math.floor(randomValue \* array.length);

    return array[randomIndex];

}

const generateRandomName = () => {

    let firstname = pickRandomItem(firstnames);

    let lastname = pickRandomItem(lastnames);

    let totalPrice = pickRandomItem(prices);

    let depositPaid = pickRandomItem(paidOptions);

    let additionalNeeds = pickRandomItem(additionalOptions);

    console.log(firstname);

    console.log(lastname);

    console.log(totalPrice);

    console.log(depositPaid);

    console.log(additionalNeeds);

}

generateRandomName();