**Destructuring Exercise**

**let** facts = {numPlanets: 8, yearNeptuneDiscovered: 1846};

**let** {numPlanets, yearNeptuneDiscovered} = facts;

console.log(numPlanets); *// ?* **Answer:****8**

console.log(yearNeptuneDiscovered); *// ?* **Answer: 1846**

**let** planetFacts = {

numPlanets: 8,

yearNeptuneDiscovered: 1846,

yearMarsDiscovered: 1659

};

**let** {numPlanets, ...discoveryYears} = planetFacts;

console.log(discoveryYears); *// ?* ***Answer: {*yearNeptuneDiscovered: 1846, yearMarsDiscovered: 1659}**

**function** getUserData({firstName, favoriteColor="green"}){

**return** `Your name is *${*firstName*}* and you like *${*favoriteColor*}*`;

}

getUserData({firstName: "Alejandro", favoriteColor: "purple"}) *// ?* ***Answer: “*Your name is Alejandro and you like purple”**

getUserData({firstName: "Melissa"}) *// ?* ***Answer:*** **“Your name is Melissa and you like green”**

getUserData({}) *// ?* ***Answer:* “Your name is undefined and you like green”**

1. D

**let** [first, second, third] = ["Maya", "Marisa", "Chi"];

console.log(first); *// ?* ***Answer:* “Maya”**

console.log(second); *// ?* ***Answer:* “Marisa”**

console.log(third); *// ?* ***Answer:* “Chi”**

1. D

**let** [raindrops, whiskers, ...aFewOfMyFavoriteThings] = [

"Raindrops on roses",

"whiskers on kittens",

"Bright copper kettles",

"warm woolen mittens",

"Brown paper packages tied up with strings"

]

console.log(raindrops); *// ?* ***Answer:* “**Raindrops on roses**”**

console.log(whiskers); *// ?* ***Answer:* “**whiskers on kittens**”**

console.log(aFewOfMyFavoriteThings); *// ?* ***Answer:* “{**"Bright copper kettles","warm woolen mittens","Brown paper packages tied up with strings"**}”**

1. D

**let** numbers = [10, 20, 30];

[numbers[1], numbers[2]] = [numbers[2], numbers[1]]

console.log(numbers) *// ?* ***Answer:* [10,30,20]**