What is Pure function is JS

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A function which returns the same value everytime if we call the function with same arguements.

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If we call function n number and times and from n places it should always return the same value

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Example of pure function

```javascript
const add = (x, y) => {
  return x + y
};

add(4, 6); // 10
```

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Example of Impure function

```javascript
const impureFunc = (key, value, object)
=> {
  object[key] = value;
};

const person = {
  name: 'Bobo'
};

const result = impureFunc('shoeSize',
400, person);
```

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In the previous slide, the variable, person, has been forever changed because our function introduced an assignment statement.

Remember that Pure functions are important as they simplify unit testing without any side effects and no need for dependency injection

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