Programming Paradigms
Class Activity #3 - ANSWERS

Q1:

Remember the differences between =, ==, ===?

- = assignment (i.e., give a value to a variable)
- == equality test (<u>values</u> have to match. Type coercion will kick in if needed!)
- === equality test (<u>values & types</u> have to match)

`0 == "0"`
- `"0"` gets converted to `0` (number). So returns `true`

`0 == []`
- `[]` (array) gets converted to `0` (number). So returns `true`

`"0" == []`
- `[]` (array) gets converted to `""` (string). So returns `false`

Q2:

- `child` is created using `Object.create` from `parent`.
- `child.name` and `child.age` are found in the child object directly and therefore used.
- `child.heritage` is not found in `child`, and so responsibility is delegated to the parent.
- If a property is referenced that can't be found in the child, parent, or ancestor, then `undefined` is returned.

Q3: