Questions 1-3

Question 1

1 point possible (graded)
In the expression below, what is the structure name?

```
(define-struct soccer-player (number position))
```

- `number`
- `soccer-player` ✔
- `define-struct`
- `position`

Explanation
The structure name comes right after `define-struct`

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Question 2

1 point possible (graded)
Which of the following is a well-formed `define-struct` expression?

- `(define-struct (company) name employees stock-value)`
- `(define-struct (company (name employees stock-value)))`
- `(define-struct (company) (name employees stock-value))`
- `(define-struct company (name employees stock-value))` ✔

Explanation
For more information about how to for `define-struct` expressions, check out the Language page.

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Question 3

1 point possible (graded)
Select all operators that are defined when the following define struct expression is run:

```
(define-struct university (name city))
```

- [x] `university?` ✔
- [x] `university-city` ✔
- [ ] `name-university`
- [ ] `city-university`
- [x] `university-name` ✔
- [x] `make-university` ✔
- [ ] `set-univesity`

Explanation
When the `define-struct` is evaluated we get a a constructor, a predicate and all selectors.

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Question 4

1 point possible (graded)
Given the following define-struct and constructor, what expression will return the value 160?

```
(define-struct person (height weight))
(define BOB (make-person 72 160))
```

- ( ) `BOB-weight`
- ( ) `(person? BOB)`
- (•) `(person-weight BOB)` ✔
- ( ) `(bob-weight)`

Explanation
The name of the struct is person, the field is weight, and the specific person we want the weight of is BOB.

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