HOMEWORK 5

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INFO 210
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Febuary 7 2017

Part 1:

A)
1. No
2. Yes
3. Yes

B)
1. Yes this is a valid instance.

C)
1. Yes
2. No, B cannot be null
3. No, A cannot be primary key
4. No, B cannot be primary key contains null value

Part 2:

C is the correct answer.

Part 3:

A)

```
create table Animals_inhibit_Habitats(
genus varchar(64),
species varchar(64),
population number
name varchar(64)
primary key(genus, species, name)
);
```

Part 4:

A) List first and last names of authors from countries other than Japan.

$$\pi_{first,last}(\sigma_{"Japan"!=Country}(Authors))$$

Part 5:

A) Correct
B) Correct
C) Correct

Part 6:

A) Which Normal Form is the below relation satisfied?

It is 1NF