Date: 14-3-2017

Author: Kien Nguyen T.

I. Teaching

- Control Flow

- Loop

- Method

II. Exercise

1. Connect Database mysql using gem “mysql2”

<https://github.com/brianmario/mysql2>

2. Create “football” database name.

3. Create “football\_names” table to save name of football team.

4. Using loop to insert name of football team into "football\_names". Using:

- Ruby *while* Statement

- Ruby *until* Statement

- Ruby *for* Statement

Max football team is 18.

5. Write a function to print nth Fibonacci number

|  |
| --- |
| def fibonacci n  end  Example: fibonacci(4) -> 3  1 1 2 3 |

6. Write a function to check a prime number

|  |
| --- |
| def prime\_number? (number)  end  Example:  prime\_number?(7) --> true  prime\_number?(8) --> false |

7. Write a function to check a **perfect number**

|  |
| --- |
| **def perfect\_number?(number)**  **End**  **Example:**  **perfect number?(6) --> true**  **perfect number?(7) --> false** |

**8. Write daily Report today.**