Humanity Ruby Workshop Week 1

SPEAKER: POC

Environment Check

- Mac OS or Ubuntu are highly recommended operating system.

- RVM

- Recommend Ruby 2.0

  - Check your Ruby version

    - Ruby —version

- Useful gems

  - awesome_print (awesome print)

  - pry (For debugging)

Course Outline

- Learn programing easily and quick

- Do not stuck on meaningless stuff

  - Wired operator :>> , <<

  - Strings : escape character, \r \n

- Finish real project

Variables and Container

- String (Text)

- Number (Float, Integer)

String

- name = "Stephanie"

- description = "is working in TSMC"

- puts name+description

- puts "#{name}#{description}"

- puts name+"abc"

Number

- Integer

- Float

- Operations

  - +, -, *, /

  - **

Play it now

- Celsius to Fahrenheit Conversion

- IRB

- Get inputs from user

```ruby
puts "Enter A"
a = gets.chomp
puts "Enter B"
b = gets.chomp
c = Integer(a) + Integer(b)
puts c
```

Container

- Array, puts lots of similar variables

- Naming convention

  - lower case, concatenate with "_"

    - students = []

    - taiwan_students = []

Homework

- Generate a arbitrarily naming list, those people have to go to the battle field

- Prompt user to enter a number

- Then generate the number of names