WOMEN WHO CODE

SINGAPORE

@wwcodesingapore

singapore@womenwhocode.com

www.womenwhocode.com/singapore

facebook.com/groups/wwcodesingapore

wwcodesg.slack.com

wwcodesg mailing list

OUR MISSION
Inspiring women to excel in technology careers.

WOMEN WHO
CODE

OUR GOALS

To Provide women with an **avenue** into tech

To Empower women with the **skills** they need for professional advancement.

To Build environments where **networking** and **mentorship** are valued.

To Create a global community to **support** women in tech wherever they live.

"DEAR WOMEN, WE NEED YOU" -The Tech Industry

WHAT WE DO . . .

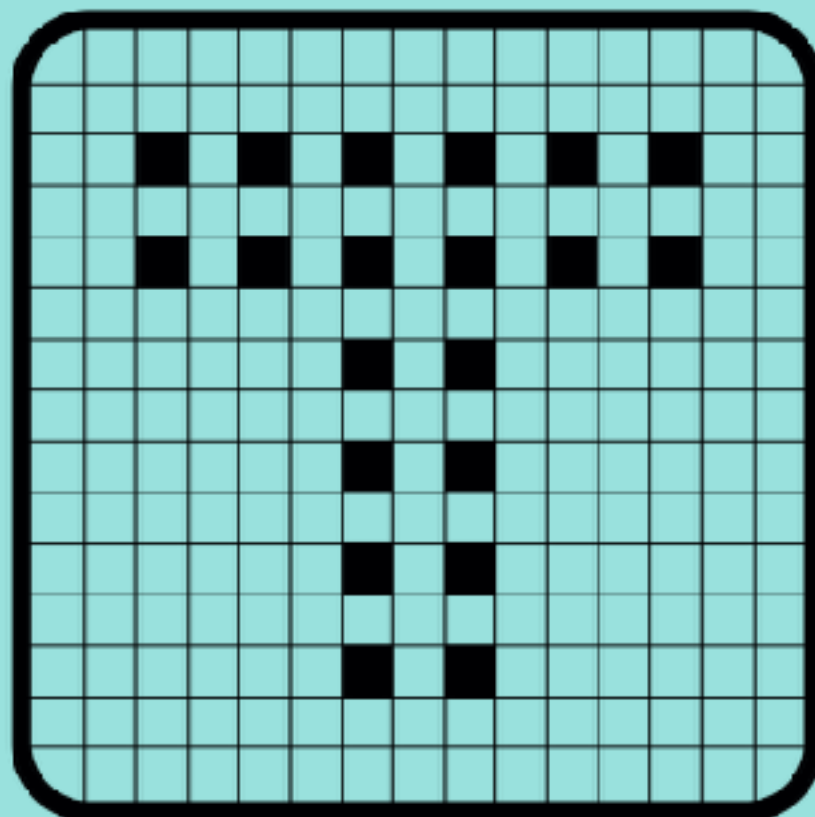Organise technical events

#ApplaudHer

Code Review (Newsletter)

Scholarships

Conference Tickets

Job board

THANK YOU TO OUR HOST

TITANSOFT

WOMEN WHO CODE

YUE LIN CHOONG

PYTHON

1. INSTALL ANACONDA

OR

PYTHON3 & JUPYTER NOTEBOOK

2. CLONE OR DOWNLOAD:

HTTPS://GITHUB.COM/WWCODESG/PYTHON-TUTORIALS

WIFI SSID:

PASSWORD:

WHY PYTHON

‣ Consistency

‣ Readability

‣ Easy to change

‣ Functional object oriented

‣ Complete set of:-

    ‣ Code Style guidelines

    ‣ Pythonic idioms

TO BE PYTHONIC

‣ Explicit coding

‣ One statement per line

‣ Avoid:-

    ‣ Change how objects are created

    ‣ Change how interpreter imports

    ‣ Embed C routines in Python

‣ Responsible coders

BASICS

‣ Jupyter Notebook

‣ Syntax

‣ Data Types and Structures

‣ Operations

‣ Loops

‣ Module

Workshop:

‣ Word Cloud

THE PYTHON DATA MODEL

‣ Description of python as a framework

‣ Formalises the interfaces of the building blocks of the language

SPECIAL METHOD

‣ Python's standard operations

‣ Special method names are written in leading and trailing double scores

‣ To be called by python interpreter

BASICS

‣ Functions

‣ File Input Output

‣ Modules

‣ Classes

Workshop:

‣ Card Deck

PYTHON STANDARD LIBRARIES

‣ contains built-in modules (written in C) that provide access to system functionality

‣ Models written in Python that provide standardised functionalities

‣ Abstracts away platform-specific into platform neutral APIs

BUILT-IN FUNCTIONS & KEYWORDS

‣ enumerate

‣ filter

‣ zip

‣ lambda

‣ yield

STANDARD LIBRARIES

‣ os, shutil, sys

‣ glob, re

‣ math, random, statistics, decimal

‣ datetime, time, calender

‣ zlib, timeit, doctest, unittest

‣ reprlib, pprint, textwrap, locale, template, struct

‣ threading, subprocess, logging

‣ collections, bisect, heapq

‣ pickle, shelf, sqlite3, dbm

Thank you 😊

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WOMEN WHO
CODE

Coming soon ...

Our next event:

Coding with Java: Dropwizard

Monthly session:

Social Coding Monday

wwcodesg.slack.com

wwcodesg mailing list

workshop assistant volunteer