Portfolios

A collection of recent Modules in Modern Computer Science

Programming - Introductory

Programming Fundamentals I (Scratch)
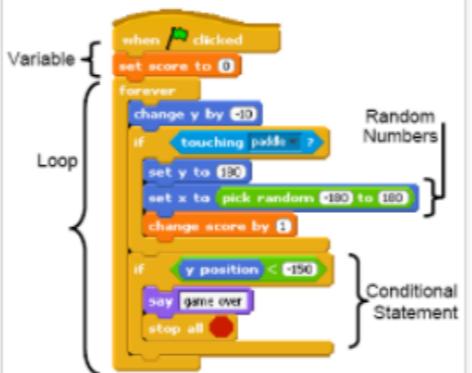
Variable, Loop, Random Numbers, Conditional Statement

This is an introductory Programming module and assumes no prior knowledge of programming. For the first week or two, we will use Scratch to teach some basic programming concepts. We will work through non-complex problems that will introduce you to the basic constructs of programming languages i.e. Sequence, Selection and Loops.

Dr. Siobhan Drohan & Ms. Mairead Meagher

Programming Fundamentals I (Processing)

Processing

This is an introductory Programming module and assumes no prior knowledge of programming. We will use the Java programming language through the Processing Development Environment (PDE). We will work through non-complex problems that will introduce you to the basic constructs of programming languages i.e. sequence, selection and loops. You will also learn to use different data types and manipulate the data.

Dr. Siobhan Drohan & Mairead Meagher

Programming Fundamentals (Java)

The objective of this module is to provide a basic introduction to the Java language. The course assumes no prior programming experience, begins at a slow pace with simple concepts but progressively adds more complex topics. It is essential to gain a fundamental understanding of the language as later course modules such as Web and Android development use Java extensively.

John Fitzgerald

Programming - Intermediate

Data Structures

f this course is to rehensive introduction nodern Java Applications ta Structures. Our objective is to provide the student with the skills required to construct efficient and reliable Java applications of moderately complexity.

David Drohan & Peter Carew

Algorithms
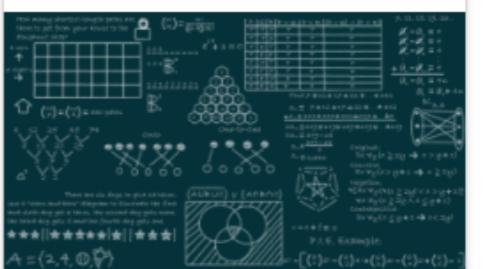
An introduction to algorithms in Java

Frank Walsh & Eamonn De Leastar

https://wit-tutors.github.io/modules/

Programming Fundamentals I (Processing)

Top Level Topics

Portfolio

Dr. Siobhan Drohan & Mairead Meagher .
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All Slides

All Labs

To the Portfolio the module is a member of...

Introduction to

Animating your drawings

For and While Loops

portfolio.yaml

```yaml
title: 'A collection of recent Modules in Modern Computer Science'
credits: 'Department of Computing & Mathematics, WIT'
courseGroups:
  - title: 'Alpha Group'
    modules:
      - tutors-starter-0
      - tutors-starter-1
      - tutors-starter-2
  - title: 'Beta Group'
    modules:
      - tutors-starter-3
      - tutors-starter-4
```

```yaml
title: 'A collection of recent Modules in Modern Computer Science'
credits: 'Department of Computing & Mathematics, WIT'

courseGroups:
    - title: 'Programming - Introductory
      modules:
          - sd-scratch
          - sd-processing
          - cf-programming-2016
    - title: 'Programming - Intermediate'
      modules:
          - dd-wit-data-structures
          - edel-fw-algorithms-2015
    - title: 'Programming - Advanced'
      modules:
          - edel-sd-agile-2016
          - edel-design-patterns
    - title: 'Web Development - Introductory'
      modules:
          - edel-web-dev-1-2016
          - edel-web-dev-2-2016
          - jf-programming-studio-2016
    - title: 'Web Development - Intermediate'
      modules:
          - edel-full-stack-1
          - edel-full-stack-2
          - dd-wit-wad
    - title: 'Android Development - Introductory'
      modules:
          - dd-mad-2016
          - dd-wit-mad-1
    - title: 'Android Development - Intermediate'
      modules:
          - edel-android-dev-1
          - edel-android-dev-2
    - title: 'Data Science'
      modules:
          - bm-relational-databases
```

https://bitbucket.org/tutorswit/

Repository	Project	Last updated
tutors-course	tutors-portfolio	2017-02-12
portfolio	tutors-portfolio	2016-12-04
jf-programming-studio-2016	tutors-portfolio	2016-12-04
jf-programming-2016	tutors-portfolio	2016-12-04
edel-design-patterns	tutors-portfolio	2016-12-01
edel-sd-agile-2016	tutors-portfolio	2016-12-01
edel-fw-algorithms-2015	tutors-portfolio	2016-12-01
sd-scratch	tutors-portfolio	2016-12-01
sd-processing	tutors-portfolio	2016-12-01
bm-relational-databases	tutors-portfolio	2016-12-01
dd-wit-data-structures	tutors-portfolio	2016-12-01
bm-data-analytics	tutors-portfolio	2016-12-01
dd-wit-wad	tutors-portfolio	2016-12-01
edel-full-stack-2	tutors-portfolio	2016-12-01
edel-full-stack-1	tutors-portfolio	2016-12-01
edel-web-dev-2-2016	tutors-portfolio	2016-12-01
edel-web-dev-1-2016	tutors-portfolio	2016-12-01
edel-agile-dev-principles	tutors-portfolio	2016-12-01
dd-wit-mad-1	tutors-portfolio	2016-12-01
dd-mad-2016	tutors-portfolio	2016-12-01
edel-android-dev-2	tutors-portfolio	2016-12-01
edel-android-dev-1	tutors-portfolio	2016-12-01

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