Programming with Scala: Language Exploration Volume 1

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Agenda

Introduction to Computing

Introduction to Computers
Basic Components

Operation

Operating Systems

Programming Languages

Introduction to Scala

Program Attributes

Conclusion

Review Questions

Problems

Answers to Review Questions

Solutions to Problems



Introduction to Computing

Definition: Computation and Computing [O.E.D.]

- Computation The action of mathematical calculation.
- Computing The use of operation of computers.

Examples

- 1+1=2
- 13 + 29 = 42

Questions

- Are these computational problems?
- Is there any difference between two?

Introduction to Computing contd...

Is it a computational problem?

SN	Hiearchy	Human	Dog	Domestic Pigeon
1	Kingdom	Animalia	Animalia	Animalia
2	Phylum	Chordata	Chordata	Chordata
3	Class	Mammalia	Mammalia	Aves
4	Order	Primates	Carnivora	Columbiformes
5	Family	Hominidae	Canidae	Columbidae
6	Genus	Homo	Canis	Columba
7	Species	H. Sapiens	C. lupus	C. livia

Introduction to Computers

(Item here)

(item description)

(item here)

(item description)

- (point 1)
- (point 2)
- (point 3)
- (point 4)

Basic Components

(content here)



Operation

(content here)



Operating Systems

- ① (point here)
- (point here)
- (point here)
- 4 (point here)



Programming Languages

(content here)



Introduction to Scala

(content here)

Examples

(content here)

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Program Attributes

(content here)

Examples

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EqualInform

Conclusion

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Examples

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Review Questions

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Examples

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Problems

(content here)

Examples

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Answers to Review Questions

- Easy to use
- Clarity in interpretation



Solutions to Problems

- (show scala code snippet here)
- Engine implementation

