

## CS3035 Programming Language Paradigms

### Lab 01-1: Introduction to Programming Language Concepts (August 25)

#### Solution

Total Points: 10

Q1: [4 POINTS]

Please identify the programming language categories and give an example for each category.

Answer:

- Imperative: C/C++, Java, etc.
- Functional: LISP, Scheme, Haskell, OCaml, etc.
- Logic: Prolog, etc.
- Markup: HTML, XML, JSTL, etc.

Q2: [4 POINTS]

Please identify the programming language evaluation criteria and briefly introduce each criterion.

Answer:

- Readability: the ease with which programs can be read and understood
- Writability: the ease with which a language can be used to create programs
- Reliability: conformance to specifications (i.e., performs to its specifications)
- Cost: the ultimate total cost

Q3: [2 POINTS]

Please list the programming languages that you are familiar with.