Trincomalee Campus, Eastern University, Sri Lanka

Faculty of Applied Science

Department of Computer Science

Bachelor Computer Science (2019/2020)
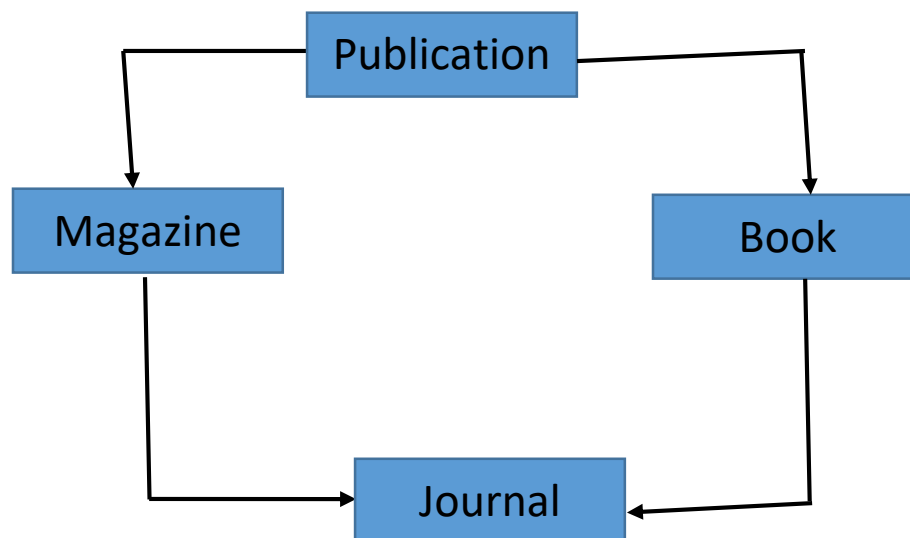
CO2115 – Practical work on CO2125

Assessment 02

Answer All Questions   Time Allowed: 1 Hour

Q1   Consider the following class hierarchy and define a class "Publication" which has a title and a price using Java.

Methods: getData() and print()

Derive two interfaces "Book" and "Magazine":
1. **Book:** Has an accession number.
2. **Magazine:** Has a volume number.

With these two as bases, define the class "Journal". Derive a method print() in each of these interfaces. Ensure that the derived interface method always invokes the base(s) class methods.

Provide some examples for the class "Journal". Create the getData() and print() functions for this object in main() methods.