



# APPLICATION DEVELOPMENT PROJECT USING JAVA (CSE4171)

## Assignment - 2

### Topic:Loose-Coupling,Exception Handling, Collections in JAVA and Simple Spring Programs

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1. Show Loose coupling in JAVA by using the followings:
  - a) Interface= Keyboard
  - b) class DellKeyboard= implements Keyboard
  - c) class LenovoKeyboard= implements Keyboard
  - d) class Computer=defines method "public void keyboardUsed(DellKeyboard dk)"
2. Show Loose coupling in JAVA by using the followings:
  - a) Interface= Vehicle
  - b) class Bike= implements Vehicle
  - c) class Car= implements Vehicle
  - d) class traveller=defines method "public void travellerVehicleName()"
3. Execute Java Exception Handling programs using try-catch statement(s) to handle the exceptions:
  - a) ArithmeticException
  - b) NullPointerException
  - c) NumberFormatException
  - d) ArrayIndexOutOfBoundsException
4. Execute small JAVA collection programs for the followings:
  - a) List
  - b) Queue
  - c) Set
5. Write a simple Spring Application, which will print "Hello World!" or any other message based on the configuration done in Spring Beans Configuration file.