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| **Hands-on Exercise Objective** |
| After completing the hands-on exercises, you will be able to:   * Develop simple Java program using notepad. * Develop simple Java class and create objects using notepad. * Develop simple Java program using packages and objects. * How to handle compile time errors. |

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| **Problem Statement 1**  Fix the compilation errors and run the program? The program should print “My First Java Program” in the console. |
| **Class** myProgram {  P**ublic** **static** **void** main(String arg[]);{  system.*out*.Println("My First Java Program");  }  }  **Save the file as “MyProgram.java” and compile it** |

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| **Problem Statement 2**  Fix the compilation error and invoke the method printMessage() of DisplayMessage class. |
| class DisplayMessage{  void printMessage(){  System.out.println((“Hello My Message”);  }  }  Save the file as “DisplayMessage.java” .  class MyProgram  {  public static void main(String arg[]){  MyProgram program=new MyProgram();  program.printMessage();  }  }  Save the file as “MyProgram.java” and compile it. |

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| **Problem Statement: 3**  Develop a class “***Rectangle***” inside a package “***com.java2learn.shapes***”. The class should have a method called ***calculateArea()***  which should print a message “***The*** ***Area of the*** **rectangle is calculated using the formula length \* breadth**”. Develop another class “***AreaCalculator”*** inside the package “***com.java2learn.shapes***” add a main method which invokes the calculateArea of the rectangle object.  **Output:** The following message should be displayed in the console  ***“The*** ***Area of the*** **rectangle is calculated using the formula length \* breadth”** |