

Lab Assignment II

The solution should be uploaded onto VTOP

Maximum marks 10

The programs should be developed and tested independently

Sharing and/or Copying of program file or part thereof will be viewed seriously

Answer **ALL** questions

1. Develop and test a program that creates two tasks and two threads to run them.

(i) The first task prints the string Hello World 100 times.

(ii) The second task prints 100 random numbers between 110 and 250. [4]

2. Develop and test a program using Java Swing / AWT that converts between decimal, hex, and binary numbers, as shown in the Figure below. When you enter a decimal value in the Decimal value text field and press the *Enter* key, its corresponding hex and binary numbers are displayed in the other two text fields. Likewise, you can enter values in the other fields and convert them accordingly. [6]

