

AP Computer Science Homework 2

Due date: Tuesday, September 22, 2015

Instructor: Mr. Alwin Tareen

Part A: Number conversion with different bases

- Perform the following number conversions. You may refer to the Blue Pelican Textbook, Lesson 14 on page 14-1.

Convert the following numbers to decimal:

- $3C4F_{\text{hex}}$
- $9A4E_{\text{hex}}$
- 100011_{bin}
- 1011011_{bin}
- 637_{oct}
- 6437_{oct}

Convert the following numbers to binary:

- $2F6DB_{\text{hex}}$
- 3154_{oct}

Convert the binary number to hexadecimal:

- $1011100101101000110111_{\text{bin}}$

Convert the binary number to octal:

- $1110101110010011_{\text{bin}}$

Part B: Submission

- Write your answers on a piece of paper, and turn it in *when class starts*.
- Make sure to write your **English name**, **Pinyin name** and **Section number** at the top of your piece of paper.