1. \(3+4+4=11\)
   a. What are the IP address ranges of each of the 5 classes (Class A, Class B, Class C, Class D, Class E)?
   b. Suppose, your IP address in binary format is \(11011111 . 00110011 . 00100110 . 01001111\) what is your IP address in dotted decimal notation and which class is it in?
   c. Suppose, now your IP address is \(125.126.127.128\) in dotted decimal notation. What is your IP address in binary format and which class is it in?

   (Hint: IP addressing handouts, binary to decimal converter, decimal to binary converter)

2. \(2 \times 7 = 14\) As shown in the class, create an external Cascaded style sheet (CSS) with the following styles:
   a. The headings of the page created with \(<H1></H1>, <H2></H2>, <H3></H3>\) tags must be \texttt{center} aligned.
b. In addition, the headings of the page created with `<H1>` must be of font-size **20pt** (this means size of the font must be 20 points) and **color red**.

c. In addition, the headings of the page created with `<H2>` must be of font-size **14pt** (this means size of the font must be 14 points) and **color green** and **UPPERCASE TEXT**.

d. In addition, the headings of the page created with `<H3>` must be of font-size **12pt** (this means size of the font must be 12 points) and **color gray** and **lowercase text**.

e. The hyperlinks must be **color red** with **underline text-decoration**.

f. While hovering over the hyperlink with mouse, the hyperlinks must turn **UPPERCASE TEXT**, **color blue** and **without any underline**.

g. The visited hyperlinks must turn into **text-decoration line-through**. (Hint: A text with line-through looks like the following text.)

(Hint: Class lecture slides and the lecture)