

Lab Conditional Structure

1. Take values of length and breadth of a rectangle from user and check if it is square or not.
2. Given a value of x entered from keyboard, if x is even, print "x (the value of x) is even", or print "x (the value of x) is odd"
3. Given value of x and y entered from keyboard,
 - when $x < y$, print "x is less than y"
 - when $x > y$, print "x is greater than y"
 - Otherwise, print "x and y are equal"
4. Given value entered from keyboard,
 - when $6 \leq \text{value} < 10$, print "Good Morning"
 - when $10 \leq \text{value} < 12$, print "soon time for lunch"
 - when $12 \leq \text{value} < 18$, print "Good day"
 - when $18 \leq \text{value} < 22$, print "Good evening"
 - Otherwise, print "Good night"
5. Given input of two questions from keyboard
 - Question 1: Please select your year (freshman, sophomore, junior, senior)
 - Question 2: How many courses have you taken so far

If student is freshman, and taking less than 4 courses, print: "take more on your sophomore year", otherwise print "you are taking enough for the year".

If student is sophomore, print "you have taken n courses" (n is the answer for second question).

If student is junior, and if student takes less than 12 courses, print "less than 12 courses", otherwise print "you are taking enough for the year".

If student is senior, and if student takes greater or equal to 16 courses, print “you are good to graduate”, otherwise, print “sorry, you need more courses”.

Otherwise, print “the year you entered is incorrect”.