Conditionals Exercises 2

Write the code for these inside of the ~/intro_class/conditionals.py file.

1. Write a conditional to test if your age is greater than or equal to 18. If it is, print “Yay! I can vote!”
2. Write a conditional to test if your age is greater than or equal to 18. If it is, print “Yay! I can vote!” Otherwise, print “Aww, I cannot vote.”
3. Write a conditional to test if your age is greater than or equal to 18 AND greater than or equal to 21. If it is, print “I can vote and go to a bar!”
4. Write a conditional to test if your age is greater than or equal to 21. If it is, print “I can go to a bar.” If your age is greater than or equal to 18 but less than 21, print “I can vote but I cannot go to a bar.” Otherwise, print “I cannot vote or go to a bar.”
5. Write a conditional to test if 8 is even. If it is, print “The number 8 is even.” Otherwise, print “The number 8 is odd.”
6. Write a conditional to test if 8 is odd. If it is, print “The number 8 is odd.” Otherwise, print “The number 8 is even.”
7. Write a conditional to test if 8 is even AND 9 is even. If both numbers are even, print “Both numbers are even.” Otherwise, print “Both numbers are not even.”
8. Write a conditional to test if 8 is even AND 9 is even. If both numbers are even, print “Both numbers are even.” If 8 is even AND 9 is odd, print “8 is even and 9 is odd.” If 8 is odd and 9 is even, print “8 is odd and 9 is even.” Otherwise, print “Both numbers are odd.”
9. Write a conditional to test if your favorite color is blue. If it is, print “My favorite color is blue!” Otherwise, print “My favorite color is not blue.”
10. Write a conditional to test if your favorite color is blue OR yellow OR red. If it is print “My favorite color is primary color.” Otherwise, print “My favorite color is a secondary color.”

Write the code for these exercises inside of the ~/intro_class/fun_conditionals.py file.

1. Write a function called larger that takes two arguments and returns the value of the larger one. Make sure to preface the function calls with the print statement so you can see the result!
    a. Call larger with arguments 4, 8.
    b. Call larger with arguments 234*42, 634*23
    c. Use larger to find the larger of 3 numbers: 4, 63, 32. Hint: You can pass a function call as an argument to another function call.
2. Write a function called smaller that takes two arguments and returns the value of the smaller one. Make sure to preface the function calls with the print statement so you can see the result!
    a. Call smaller with arguments 3.14, 6.
    b. Call smaller with arguments True, False
    c. Use smaller to find the smaller of 3 numbers: 4, 63, 32. Hint: You can pass a function call as an argument to another function call.

Challenge:
Create a “choose your own adventure” game. It should print out where a person is and what their options are. It should allow a user to choose one of those options, and do something with it.