1. Write a Python program that asks the user to enter two numbers; it will use the IF/ELSE statement to print the larger of the two.

2. Write a Python program that asks the user to enter a score; it should print the following message, based on the score of the user:
   a. 50 and above → “Pass”
   b. 0–49 → “Fail”

3. Develop the program below by using a nested IF statement (IF within IF) to give the following additional information:

   50 and above → "Pass"
   80+ → "Well Done"
   0 – 49 → “Fail”
   <20 → “You need to try harder.”

4. Write a Python program that asks the user for a score and prints a grade based on the following:

   80–100     A
   60–79      B
   40–59      C
   30–39      D
   < 30       U

5. Suppose we calculate the vowel value of a word based on the following rubric:
   a 5 points
   e 4 points
   i 3 points
   o 2 points
   u 1 points

   Write a Python program that asks the user for a word, then calculates and prints the vowel value of the word entered.

6. Define a function called “larger()” that takes two integers and returns the larger of the two.

7. Define a function called “long_name()” that takes a name input and returns a Boolean value (true or false) based on the number of characters in the name. Assume a name is long if it contains more than 14 characters.
8. Define a function called "largest()" that takes three numbers and returns the largest of the three. HINT: You can write the function from scratch or use the "larger()" function that was written before.

9. Write a function called "print_upto()" that takes a number as input and prints all the whole numbers from 1, up to and including, the given number.

10. Write a function called "print_even_upto()" that takes a number as input and print all the even numbers from 1, up to and including, the given number.

11. Write a function called "magic_number()" that has a variable assigned to the value 7; the user should be prompted to guess the magic number. The program should give the user feedback on the guess.
   i. If the guess is greater than 7, "Too high"
   ii. If the guess is less than 7, "Too low"
   iii. If the guess is correct, "Well Done"

12. Modify the program above to give the user only 5 guesses. If there are more than 5 guesses then the user should get the following message: "You have gotten your maximum chances".

13. The factorial of a number is the product of all the integers below it. For example, the factorial of 4 is 4*3*2*1 = 24.
   a. Write a function called "factorial()" that returns the factorial of the given number, for example \( \text{factorial}(4) \rightarrow 24 \)