Q1: Design an algorithm which gets a value, n, as its input and calculates odd numbers equal or less than n. Then write them in the standard output.

Q2: Fill in the blanks:
1. Von Neumann Model based on 3 ideas: ---------, ---------, ---------.
2. The CPU contains a special set of memory cells called --------- that can be read and written more rapidly than the main memory area.
3. In the 30s Claude Shannon had proposed that the use of --------- and --------- should be used with electronic circuits.
4. Programming Languages are generally either translated into machine code by --------- or --------- before being run, or translated directly at run time by ---------.
5. --------- command displays the file system, present on the disk, in graphical form.

Q3: A. Convert the binary number (10100110.1011) into equivalent decimal number.
B. Convert the following formula to QBasic form & write the output by taken Integer Truncation:
\[ \alpha = \pi + \frac{15+4x^2}{9x-2+4+1} \times \frac{\sqrt{y+1}}{3y} \] when x=2, y=3

Q4: A. Write a program to solve the following function using SELECT/CASE statement:
\[ f(x) = \begin{cases} -x, & x < 0 \\ x^2, & x \geq 0 \end{cases} \]
B. Draw the Flow Chart for calculating factorial (!) of a given number.

Q5: Write a program to find the largest number between three numbers A,B and C then calculate the Natural Exponent for this number (Write the program using READ/DATA statement).