

Write Pseudo Code:

1. to check whether a given number is even or odd.

EVEN-ODD NUMBERS

1. input number
2. if ((number mod 2) == 0)
3. display "Number is Even"
4. else
5. display "Number is Odd"
6. end-if

2. to print the multiples of 3 between 1 to 20.

MULTIPLES

1. for counter 1 to 20 do
2. if (counter mod 3 == 0)
3. display counter
4. end-if
5. end-for

3. to find factorial of a given number.

FACTORIAL

1. input number
2. factorial = 1
3. counter = 1
4. while counter <= number do
5. factorial = factorial * counter
6. counter = counter + 1
7. end-while
8. display factorial

4. to calculate 'x' to the power of 'n' using a while loop.
❖ Assume both 'x' and 'n' are positive whole numbers.

POWER

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1. input x
2. input n
3. count = 1
4. while count <= n do
5.     if (n == 0)
6.         result == 1
7.         break
8.     else
9.         result = result * x
10.        count = count + 1
11.    end-if
12. end-while
13. display result
```