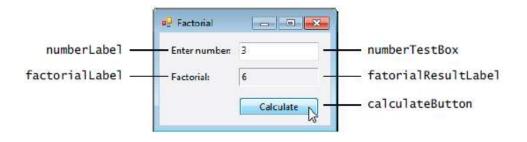
Visual Programming

Sheet # 4

Question #1: Write the following Programs in Visual Basic:

a) **(Factorial of a Number)** Write a program that calculates the factorial of a number using one of the repetition statements that you have learn. Example the factorial of number 3 is 6 (because: $1 \times 2 \times 3 = 6$).



b) **Decimal to Binary Convertor)** Write a program that reads from the user a decimal number and then displays its corresponding binary number. For example, if the user enters the decimal number 4 the program should output its corresponding binary numbers respectively: 100. (Hint Use the Mod operator to help you in calculating the binary number). The output should look a follows:

🖳 Decimal To Binary Convertor 💷 💷 🎫
Please Enter a decimal number 4
The output: Decimal Binary 0 100

c) *(Multiplication Table Creator)* Write a program that reads a number then displays the multiplication table of all numbers equals or less than that number. For example, when the user select number 3 the output in the textbox should display multiplication tables of 1, 2, 3. The output should look like the following:

🖳 Multipl	ecation Table Creator		
Number	3	×	
Create Multiplecation Tables			
1) 2) 3) 4) 5) 6) 7) 7) 8) 9) 9) 10	Iltiplecation Table of nur < 1 = 1 < 1 = 2 < 1 = 3 < 1 = 4 < 1 = 5 < 1 = 6 < 1 = 7 < 1 = 8 < 1 = 9 × 1 = 10 Iltiplecation Table of nur	H	
1) 2) 3) 4) 5) 6)	ecation Table Creator (2 = 2) (2 = 4) (2 = 6) (2 = 8) (2 = 10) (2 = 12)	+	
Number	3		
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5) 6) 7) 8) 9)	x = 2 = 8 x = 2 = 10 x = 2 = 12 x = 2 = 14 x = 2 = 16 x = 2 = 18 x = 2 = 20		
ML 1) 2) 3) 4) 5) 6) 7)	Itiplecation Table of nur (1 = 1 (1 = 2 (1 = 3 (1 = 4 (1 = 5 (1 = 6 (1 = 7	nber 1	
9)	< 1 = 8 < 1 = 9 × 1 = 10		