Lab Task Loops Sec B

Question 1:

Write a Python Function to get the Fibonacci series between 0 to user input range.
Note : The Fibonacci Sequence is the series of numbers :
0, 1, 1, 2, 3, 5, 8, 13, 21, ...
Every next number is found by adding up the two numbers before it.

Question 2:

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5,between 2000 and 3200 (both included).

Question 3:

Write a Python function to construct the following pattern, using a for loop. User should enter a symbol e.g *,^,@,- etc and your function should a pattern like this of that symbol
e.g
Enter Symbol: *
Enter Size: 5

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*
* *
* * *
* * * *
* * * * *
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Question 4:

Write a Python program which iterates the integers from 1 to 50. For multiples of three print "Multiple of 3" instead of the number and for the multiples of five print " Multiple of 5". For numbers which are multiples of both three and five print " Multiple of 3 & 5"

Question 5:

Write a Python Function to create the multiplication table (from 1 to 10) of a number (Ask a number from a user).

Expected Output:

Enter a number: 5

5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50