1. Write a program to reverse the bits of a supplied integer.
Note: reversing bits is not print reverse.

2. Write a program to Count the pairs of bits set in a supplied integer.

3. Write a program to find the longest series of 1's in a supplied integer. Also print the bit-position where the longest series is found.

4. Input a range of integer. Write a program to list the all the numbers whose sum of digits(reduced to single digit) is 9.
e.g Min:500 max:550 then list should print as
504(5+0+4), 513(5+1+3), ... 549(5+4+9=18(1+8=9)... etc...

5. In the above program make arrangement, to list only numbers which are ascending-order-digits.
e.g.. 246 , 2345,22344, 4444 are valid
but 643, 2202, 456756 are not valid.

6. Write a program to print the factorial of a given integer.

7. Write a program to print the fiboacci series upto a given count.
e.g if need to print 10 numbers in fibonacci series, then, output should be:
0,1,1,2,3,5,8,13,21,34.

8. Write a program to test the supplied integer is prime number or not?

9. List the prime numbers within a supplied range.

10. In the above program make arrangement to list those prime numbers , which are sorted(digit-wise) , ascending or descending, both valid.