Coding Test Set 1

1. C program to display prime numbers between two intervals.

2. Write a program to calculate the power of a number.

3. Write a program to calculate the sum of n natural numbers.

4. Write a program to display the sequence 1, 2, 2, 4, 8, 32, 256, ………………..

5. Write a program to display the sequence 1, 4, 9, 16, 25, 36, 49, ………………..

6. Write a program to display the sequence 1, 2, 4, 8, 16, 32, 64, ………………..

7. Write a program to display the sequence 7, 10, 8, 11, 9, 12, ...

8. Write a program to display the sequence 1, 2, 4, 7, 11, ……………

9. Write a program to display the sequence 1, 1, 5, 5, 9, 9, 13, 13, ………………………..

10. Write a program to display the sequence 21, 9, 21, 11, 21, 13, 21, ...

11. Write a program to display the sequence 14, 28, 20, 40, 32, 64, ...………………..

12. Write a program to display the sequence A1, B2, C4, D8, E16, F32, ...

13. Write a program to display the sequence A1, B2, C3, …., Y25, Z26, A1, B2, ……………

14. Write a program to display the sequence A, Z, X, B, V, ……………………

15. Write a program to display the sequence BCA1, BCB2, BCC3, BCD4, …………………

16. C program to display the sequence AMM, COO, EQQ, ……….

17. C program to display the sequence ABA, BCB, CDC, DED, ……………….

18. Read a number from STDIN, then display the sequence given below:

Input: 52934

Output: A5, B2, C9, D3, E4

19. C program to find the sum of first n prime numbers.

20. Write a program to display the series 0, 0, 2, 1, 4, 2, 6, 3, 8, 4,……………………….