1. Write a C program that will take an integer x and prints its binary representation. You can use loops and conditionals if necessary. Here x can be . [10]

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| --- | --- |
| Sample Input | Sample Output |
| 0  1  5  16  282 | 0  1  101  10000  100011010 |

1. Given nprint the sum of following series up to n’th term. [10]

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 2  3  4 | -0.5  2.5  -5.0 |

1. Write a program that takes an integer n and prints the triangle as shown below.

Hint: If you run out of letters you need to wrap around. [10]

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 5 | |  |  |  |  |  | | --- | --- | --- | --- | --- | | A |  |  |  |  | | B | C |  |  |  | | D | E | F |  |  | | G | H | I | J |  | | K | L | M | N | O | |

1. Solve problem number 2 without nested loop. [5]