Set – 1

1. Create a class SET and include functions to perform following Set operations on Sets: Union, Set Difference.
2. Write a function in same file to find factorial of an integer.

Set – 2

1. Create a class SET and include functions to perform following Set operations on Sets: Intersection, Symmetric Difference.
2. Write a function in same file for binary search using recursion,

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Set – 3

1. Create a class RELATION, use Matrix notation to represent a relation. Include functions to check if a relation is Reflexive and Symmetric.
2. Write a function in same file to print '**n**' terms of Fibonacci sequence using recursion.

Set – 4

1. Create a class SET and include functions to perform following Set operations on Sets: Powerset, Cardinality.
2. Write a function in same file to calculate ${}^{n}\mathbf{C}_{r}$ and ${}^{n}\mathbf{P}_{r}$ using recursion.

Set – 5

1. Create a class RELATION, use Matrix notation to represent a relation. Include functions to check if a relation is Transitive and Anti-Symmetric.
2. Write a function in same file to print steps to solve game of Tower of Hanoi.

Set – 6

1. Create a class SET and include functions to perform following Set operations on Sets: Set Difference, Symmetric Difference. WAP which takes sets from user and use this class.
2. Write a function in same file to calculate GCD of two numbers using recursion.

Set – 7

1. WAP to store a polynomial in an array, and then evaluate it for a particular value of '**x**'.
2. Write a function in same file to print '**n**' terms of Fibonacci sequence without using recursion.

Set – 8

1. Create a class SET which include a function to find Cartesian product of two sets.
2. Write a function in same file to find an element in an array using Binary search without using recursion.