

- (a) Create an array of four function pointers. Each pointer should point to a different function. Each of these functions should receive two integers and return a float. Using a loop call each of these functions using the addresses present in the array.
- (b) Write a function that receives variable number of arguments, where the arguments are the coordinates of a point. Based on the number of arguments received, the function should display type of shape like a point, line, triangle, etc., that can be drawn.
- (c) Write a program, which stores information about a date in a structure containing three members—day, month and year. Using bit fields the day number should get stored in first 5 bits of day, the month number in 4 bits of month and year in 12 bits of year. Write a program to read date of joining of 10 employees and display them in ascending order of year.
- (d) Write a program to read and store information about insurance policy holder. The information contains details like gender, whether the holder is minor/major, policy name and duration of the policy. Make use of bit-fields to store this information.