

PRACTICAL 8

Implementation of IO, Serialization, formatting & String handling related programs

1. Write a program which describes concept of serialization, deserialization on Employee class. Employee has name, salary and employee id attributes. Serialize employees and deserialize them.
2. Write an application that splits file of size greater than 1024 bytes into files of size each of 1024 bytes using byte streams. Also write an application which merges the splitted files of 1024 bytes and creates merged file of appropriate size using byte stream. Give only two command line arguments. In first application, suppose you have given A B as command line, then It will split A in to B0, B1, B2, Similarly for merger application.
3. Write a program that inputs two 3 X 3 matrices and performs matrix multiplication on them. Display properly formatted output.
4. Write a program that returns the number of times that the string “Hi” appears anywhere in the given string.
5. Write a program that returns the string made of the first two characters of the given string. E.g. for given string “Hello” return “He”. [If entered string is shorter than length 2 then return that string itself and return empty string for an empty string.]
6. Write a program that takes two strings and returns a string in the form of short+long+short, with the shorter string on the outside and longer on inside.