PROBLEM STATEMENT:

To practice object oriented design principles for implementation.

**OBJECT ORIENTED DESIGN PRINCIPLES:**

There are five principles of class design:

(SRP)- The Single Responsibility principle.

(OCP)-The Open Closed Principle.

(LSP) -The Loskop Substitution Principle.

(ISP) -The Interface Segregation Principle.

(DIP) -The Dependency Inversion Principle of the unify need modelling

PRINCIPLE:

1. SRP (Single Responsibility Principle)

* Each responsibilities should be a separate class
* A class should have one and only reason to change

2. OCP (Open Closed Principle)

Software entities should be open for extension and closed for modification

3.LSP (Loskop Substitution Principle)

The behaviour of programs unchanged

4. ISP (Interface Egression Principle)

The dependency of one class

5. DIP (Dependency Inversion Principle)

* High level modular
* Abstraction

TRAIN RESERVATION SYSTEM

Modify Class

Check force

Query timetable

Make reservation

Print Ticket

Reservation clerk Passenger

Result:

Thus the program was executed successfully.