Design classes for a ticketing system for a cultural-show, where ticket rates goes up or down according to the demand.

* 1. If tickets were not booked in the last 6 hours, the prices should fall by 5%. The ticket rates shall be resumed after 2 hours.

Class event {

Private:

Id;

Name;

Description;

Timing;

Location;

Price;

Public:

Show\_all();

Search\_name();

}

Class ticket {

Private:

Id;

Event id;

No of tickets;

Timing;

Price;

Vat;

Discount;

Total amount;

Public:

Calculate\_bill();

Calculate\_discount();

}

Class discount {

Private:

Peak hours=+5%;

Dull hours=-5%;

}