**Case Study 1:** Airline Passenger Discount Policy An airline offers only flights to India and Asia. Under special conditions, a discount is offered on the normal airfare: Test Data/Input Data Passengers older than 18 with destinations in India are offered a discount of 20%, as long as the departure is not on a Monday or Friday. For destinations outside of India, passengers are offered a discount of 25%, if the departure is not on a Monday or Friday. Passengers who stay at least 6 days at their destination receive an additional discount of 10%. Passengers older than 2 but younger than 18 years are offered a discount of 40% for all destinations. Children aged 2 at under can travel for free.

| **Condition 1** | **Condition 2** | **Condition 3** | **Condition 4** | **Action 1** | **Action 2** | **Action 3** |
| --- | --- | --- | --- | --- | --- | --- |
| Age > 18 | Destination = India | Departure Day ≠ Mon/Fri | Duration of Stay ≥ 6 days | Discount = 20% | Additional Discount = 10% | Total Discount = 30% |
| Age > 18 | Destination ≠ India | Departure Day ≠ Mon/Fri | Any | Discount = 25% | Any | Total Discount = 25% |
| Age 2-18 | Any | Any | Any | Discount = 40% | Any | Total Discount = 40% |
| Age < 2 | Any | Any | Any | Discount = 100% (Free) | Any | Total Discount = 100% (Free) |