**Experion ILP-Batch 1**

**Task 1**

**ANSWERS**

1. Employee Information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EmployeeID** | **EmployeeName** | **Department** | **ManagerID** | **Salary** | **HireDate** |
| 1 | John Smith | HR | 101 | 50000 | 2022-01-15 |
| 2 | Alice Brown | IT | 102 | 60000 | 2022-02-20 |
| 3 | Mark Johnson | Sales | 101 | 55000 | 2022-03-10 |

Employee

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **EmployeeName** | **Salary** | **HireDate** |
| 1 | John Smith | 50000 | 2022-01-15 |
| 2 | Alice Brown | 60000 | 2022-02-20 |
| 3 | Mark Johnson | 55000 | 2022-03-10 |

Department

|  |  |
| --- | --- |
| **DepartmentID** | **Department** |
| D1 | HR |
| D2 | IT |
| D3 | Sales |

Employee-department mapping

|  |  |  |
| --- | --- | --- |
| **EmployeeID** | **DepartmentID** | **ManagerID** |
| 1 | D1 | 101 |
| 2 | D2 | 102 |
| 3 | D3 | 101 |

1. Training Programs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ProgramID** | **ProgramName** | **Trainer** | **Department** | **EmployeeID** | **EmployeeName** | **Date** |
| 1 | Java Fundamentals | John Smith | IT | 101 | Alice Brown | 2022-03-01 |
| 2 | Project Management | Sarah White | HR | 102 | Bob Green | 2022-03-10 |
| 3 | Sales Techniques | Mark Johnson | Sales | 103 | Charlie Black | 2022-03-20 |

Programs

|  |  |  |
| --- | --- | --- |
| **ProgramID** | **ProgramName** | **Trainer** |
| 1 | Java Fundamentals | John Smith |
| 2 | Project Management | Sarah White |
| 3 | Sales Techniques | Mark Johnson |

Departments

|  |  |
| --- | --- |
| **DepartmentID** | **Department** |
| D1 | IT |
| D2 | HR |
| D3 | Sales |

Employee

|  |  |
| --- | --- |
| **EmployeeID** | **EmployeeName** |
| 101 | Alice Brown |
| 102 | Bob Green |
| 103 | Charlie Black |

Programs - department-employee mapping

|  |  |  |  |
| --- | --- | --- | --- |
| ProgramID | DepartmentID | EmployeeID | Date |
| 1 | D1 | 101 | 2022-03-01 |
| 2 | D2 | 102 | 2022-03-10 |
| 3 | D3 | 103 | 2022-03-20 |

1. Customer orders

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| OrderID | CustomerName | ProductID | ProductName | Qty | UnitPrice | TotalAmount | OrderDate |
| 1 | John Doe | 101 | Laptop | 2 | 800 | 1600 | 2022-01-15 |
| 2 | Jane Smith | 102 | Smartphone | 1 | 500 | 500 | 2022-02-20 |
| 3 | John Doe | 103 | Printer | 1 | 200 | 200 | 2022-03-10 |

Products

|  |  |  |
| --- | --- | --- |
| ProductID | ProductName | UnitPrice |
| 101 | Laptop | 800 |
| 102 | Smartphone | 500 |
| 103 | Printer | 200 |

Order

|  |  |  |  |
| --- | --- | --- | --- |
| OrderID | CustomerName | Qty | TotalAmount |
| 1 | John Doe | 2 | 1600 |
| 2 | Jane Smith | 1 | 500 |
| 3 | John Doe | 1 | 200 |

Product-order mapping

|  |  |  |
| --- | --- | --- |
| OrderID | ProductID | OrderDate |
| 1 | 101 | 2022-01-15 |
| 2 | 102 | 2022-02-20 |
| 3 | 103 | 2022-03-10 |

1. Stress management

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EmployeeID** | **FirstName** | **LastName** | **StressLevel** | **HoursOfWork** | **BreaksTaken** | **PhysicalActivity** | **CounselingSessions** |
| 101 | Sarah | White | Moderate | 45 | 3 | Yoga | 2 |
| 102 | Bob | Green | High | 50 | 2 | Jogging | 1 |
| 103 | Charlie | Black | Low | 40 | 4 | Meditation | 3 |
| 104 | David | Miller | High | 48 | 1 | Gym | 2 |
| 105 | Jane | Doe | Moderate | 42 | 3 | Walking | 1 |

Employee

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EmployeeID** | **FirstName** | **LastName** | **HoursOfWork** | **BreaksTaken** |
| 101 | Sarah | White | 45 | 3 |
| 102 | Bob | Green | 50 | 2 |
| 103 | Charlie | Black | 40 | 4 |
| 104 | David | Miller | 48 | 1 |
| 105 | Jane | Doe | 42 | 3 |

Stress-management

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **StressLevel** | **PhysicalActivity** | **CounselingSessions** |
| 101 | Moderate | Yoga | 2 |
| 102 | High | Jogging | 1 |
| 103 | Low | Meditation | 3 |
| 104 | High | Gym | 2 |
| 105 | Moderate | Walking | 1 |

1. Flee Market

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ItemID** | **SellerName** | **ItemName** | **Category** | **Price** | **Quantity** | **Description** | **Condition** | **Location** | **DateListed** |
| 101 | John's Treasures | Vintage Chair | Furniture | 50.00 | 2 | Beautiful vintage chair, excellent condition | Like New | Booth 15, Section A | 2022-01-15 |
| 102 | Alice's Finds | Antique Clock | Home Decor | 80.00 | 1 | Authentic antique clock with Roman numerals | Good | Stall 8, Section B | 2022-02-20 |
| 103 | Mark's Collectibles | Vinyl Records | Music | 15.00 | 10 | Various artists and genres, in good condition | Used | Booth 20, Section C | 2022-03-10 |
| 104 | Emma's Treasures | Vintage Jewelry | Accessories | 35.00 | 5 | Assorted vintage jewelry pieces, unique designs | Excellent | Stall 12, Section D | 2022-04-05 |
| 105 | Robert's Finds | Retro Camera | Electronics | 60.00 | 1 | Vintage Polaroid camera with original case | Good | Booth 5, Section A | 2022-05-15 |

Item

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ItemID** | **ItemName** | **Category** | **Price** | **Description** | **Condition** |
| 101 | Vintage Chair | Furniture | 50.00 | Beautiful vintage chair, excellent condition | Like New |
| 102 | Antique Clock | Home Decor | 80.00 | Authentic antique clock with Roman numerals | Good |
| 103 | Vinyl Records | Music | 15.00 | Various artists and genres, in good condition | Used |
| 104 | Vintage Jewelry | Accessories | 35.00 | Assorted vintage jewelry pieces, unique designs | Excellent |
| 105 | Retro Camera | Electronics | 60.00 | Vintage Polaroid camera with original case | Good |

Seller

|  |  |  |
| --- | --- | --- |
| **SellerID** | **SellerName** | **Location** |
| S1 | John's Treasures | Booth 15, Section A |
| S2 | Alice's Finds | Stall 8, Section B |
| S3 | Mark's Collectibles | Booth 20, Section C |
| S4 | Emma's Treasures | Stall 12, Section D |
| S5 | Robert's Finds | Booth 5, Section A |

Seller-Item mapping

|  |  |  |  |
| --- | --- | --- | --- |
| **ItemID** | **SellerID** | **Quantity** | **DateListed** |
| 101 | S1 | 2 | 2022-01-15 |
| 102 | S2 | 1 | 2022-02-20 |
| 103 | S3 | 10 | 2022-03-10 |
| 104 | S4 | 5 | 2022-04-05 |
| 105 | S5 | 1 | 2022-05-15 |

1. Learning Management System

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CID | CourseName | Instructor | Department | Credits | Enrolled  Students | StartDate | EndDate | Location | Availability |
| 101 | Introduction to Biology | Prof. Smith | Science | 3 | 25 | 2022-01-15 | 2022-05-10 | Room 101 | Open |
| 102 | Programming in Python | Prof. Brown | Computer Science | 4 | 30 | 2022-02-20 | 2022-06-15 | Lab 3, Building B | Closed |
| 103 | Financial Accounting | Prof. Green | Finance | 3 | 20 | 2022-03-10 | 2022-07-05 | Room 201 | Open |
| 104 | English Literature | Prof. White | Humanities | 3 | 22 | 2022-04-05 | 2022-08-20 | Room 301 | Open |
| 105 | Web Development Fundamentals | Prof. Black | IT | 4 | 28 | 2022-05-15 | 2022-09-25 | Lab 2, Building A | Closed |

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| **CID** | **CourseName** | **InstructorID** | **Credits** |
| 101 | Introduction to Biology | A1 | 3 |
| 102 | Programming in Python | A2 | 4 |
| 103 | Financial Accounting | A3 | 3 |
| 104 | English Literature | A4 | 3 |
| 105 | Web Development Fundamentals | A5 | 4 |

Instructor

|  |  |  |
| --- | --- | --- |
| **InstructorID** | **Instructor** | **Department** |
| A1 | Prof. Smith | Science |
| A2 | Prof. Brown | Computer Science |
| A3 | Prof. Green | Finance |
| A4 | Prof. White | Humanities |
| A5 | Prof. Black | IT |

Enrollment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **EnrolledStudents** | **StartDate** | **EndDate** | **Location** | **Availability** |
| 101 | 25 | 2022-01-15 | 2022-05-10 | Room 101 | Open |
| 102 | 30 | 2022-02-20 | 2022-06-15 | Lab 3, Building B | Closed |
| 103 | 20 | 2022-03-10 | 2022-07-05 | Room 201 | Open |
| 104 | 22 | 2022-04-05 | 2022-08-20 | Room 301 | Open |
| 105 | 28 | 2022-05-15 | 2022-09-25 | Lab 2, Building A | Closed |