Title: Payroll

Features:

1. Employee
2. Attendance
3. Salery
4. Access Controll List

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| **Employee**  CardNo  Name  DOB  Fathername  Mothername  Contact  Address  Email  Gender  BloodGroup  Religion  MarritalStatus  NID  Education  Expericencce  Skill  Images | **Attendance**  Employee  Intime  Outtime  Present/absent  AttedanceData  TotalAttendance | **Salery**  Employee  Basic  HouseRent  Medical  Food  COnvensory  GrossTotal  AttendanceBouns  Overtime  Advance  Stamp  GrossTotal |  |
|  |  |  | Access Controll List  Employee  Password  Type  loghistory |

**Secound Normal Form**: Make new table with common data field and Define Primary Key and Foreign Key

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| --- | --- | --- | --- |
| **Employee**  CardNo  Name  DOB  Fathername  Mothername  Contact  Address  Email  GenderId  BloodGroupId  ReligionId  MarritalStatusId  NID  EducationId  Expericencce  Skill  Images | **Attendance**  **Id**  EmployeeId  Intime  Outtime  Present/absentId  AttedanceData  TotalAttendance  **MarritalStatus**  Id  Name  **Education**  Id  name | **Salery**  **Id**  EmployeeId  Basic  HouseRent  Medical  Food  COnvensory  GrossTotal  AttendanceBouns  Overtime  Advance  Stamp  GrossTotal  **Present/absent**  Id  name |  |
| **Gender**  Id  name | **BloodGroup**  Id  name | **Religion**  Id  name | **Access Controll List**  EmployeeId  Password  Type  loghistory |

**Thired Normal Form**: Remove and make new table **with irregular and repeated** data field and Define Primary Key and Foreign Key

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| --- | --- | --- | --- |
| **Employee**  CardNo  Name  DOB  Fathername  Mothername  Contact  Address  Email  GenderId  BloodGroupId  ReligionId  MarritalStatusId  NID  // **repeated data field**  **SaleryEducation**  **Id**  **EmployId**  **EducitonId**  Year  Board | **Attendance**  **Id**  EmployeeId  Intime  Outtime  Present/absentId  AttedanceData  TotalAttendance  **MarritalStatus**  Id  Name  **Education**  Id  Name  **EmporyImage**  **Id**  **EmployId**  image | **Salery**  **Id**  EmployeeId  Basic  HouseRent  Medical  Food  COnvensory  GrossTotal  Stamp  GrossTotal  **Present/absent**  Id  Name  **SaleryOvertime**  **Id**  **saleryId**  hour  rate  **SaleryAdvance**  **Id**  **SaleryId**  Amount | **EmployeeExpericencce**  **Id**  **EmployeeId**  Name  Description  **EmployeeSkill**  **Id**  **EmployeeId**  Name  Description  **SaleryAttendanceBouns**  **Id**  **saleryId**  All Bonus |
| **Gender**  Id  name | **BloodGroup**  Id  name | **Religion**  Id  name | **Access Controll List**  EmployeeId  Password  Type  loghistory |

**Fourth Normal Form**: Remove redundant and dependent data field

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee**  CardNo  Name  DOB  Fathername  Mothername  Contact  Address  Email  GenderId  BloodGroupId  ReligionId  MarritalStatusId  NID  **SaleryEducation**  **Id**  **EmployId**  **EducitonId**  Year  Board | **Attendance**  **Id**  EmployeeId  Intime  Outtime  Present/absentId  AttedanceData  //deleted redundant  TotalAttendance  **MarritalStatus**  Id  Name  **Education**  Id  Name  **EmporyImage**  **Id**  **EmployId**  image | **Salery**  **Id**  EmployeeId  Basic  HouseRent  Medical  Food  COnvensory  //delete dependent  GrossTotal  Stamp  GrossTotal  **Present/absent**  Id  Name  **SaleryOvertime**  **Id**  **saleryId**  hour  rate  **SaleryAdvance**  **Id**  **SaleryId**  Amount | **EmployeeExpericencce**  **Id**  **EmployeeId**  Name  Description  **EmployeeSkill**  **Id**  **EmployeeId**  Name  Description  **SaleryAttendanceBouns**  **Id**  **saleryId**  All Bonus |
| **Gender**  Id  name | **BloodGroup**  Id  name | **Religion**  Id  name | **Access Controll List**  EmployeeId  Password  Type  loghistory |