

- Employee (E\_id, FirstName, LastName, Email, Address, Gender, OfficialDOff, YearsOfExp, NationalID, EmploymentStatus, Salary, TypeOfContract, EmergPhoneNum, EmergName, AnnualLeaveBal, AccidentalLeaveBal, HireDate, LastWdate, dep\_name )

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Employee.dep\_name references Department.DepName

- Employee\_phones(e\_id, PhoneNum)

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Employee\_phones.e\_id references Employee.E\_id

- Replaces (e\_id\_1, e\_id\_2, StartDate, EndDate, approved)

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Replaces.e\_id\_1 references Employee.E\_id

Replaces.e\_id\_2 references Employee.E\_id

- Department(DepName, BuildingLocation)

- Role(Rname, Title, Description, Rank, BaseSalary, InannualLeave, InaccidLeave, dep\_name)

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Role.dep\_name references Department.DepName

- Role\_increase\_factor(SalaryIncFact, role\_name)

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Role\_increase\_factor.role\_name references Role.Rname

- Role\_overtime\_factor (OvertimeFactors, role\_name)

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Role\_overtime\_factor.role\_name references Role.Rname

- assigned\_to(e\_id, role\_name)

assigned\_to.e\_id references Employee.E\_id

assigned\_to.role\_name references Role.Rname

- Document (DocID, Type, Description, Filename, StorageLocation, Size, CreationDate, ExpDate, Status, e\_id, )

Document.e\_id references Employee.E\_id

- Attendance (AttendanceID, Date, CheckIn, CheckOut, TotalDuration, e\_id)

Attendance.e\_id references Employee.E\_id

Where Attendance.TotalDuration = Attendance.CheckOut– Attendance.CheckIn

- Payroll (PayID, Date, FinSalary, Comment, BonusAmount, DedAmount, FromDate, ToDate, e\_id)

Payroll.e\_id references Employee.E\_id

- Payroll\_comments (payroll\_id, comment)

Payroll\_comments references Payroll.PayID

- Deduction(DeductionId, e\_id, Date, Amount, Type, Status, payroll\_id, leave\_id)

Deduction.e\_id references Employee.E\_id

Deduction.payroll\_id references Payroll.PayID

Deduction.leave\_id references Unpaid.RequestID

- Performance(ID, Rating, comments, e\_id)

Performance.e\_id references Employee.E\_id

- Performance\_comments(perf\_id, comment)

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Performance\_comments.perf\_id references Performance.ID

- Leave (RequestID, DateOfRequest, StartDate, EndDate, TotalNumOfDays, ApprovalStatus, Type)

Where Leave.TotalNumOfDays = Leave.EndDate – Leave.StartDate

- Approves(e\_id, request\_id)

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Approves.e\_id references Employee.E\_id

Approves.request\_id references Leave.RequestID

- Annual (req\_id)

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Annual.req\_id references Leave.request\_id

- Medical(req\_id)

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Medical.req\_id references Leave.RequestID

- Accidental(req\_id, e\_id)

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Accidental.req\_id references Leave.RequestID

Accidental.e\_id references Employee.E\_id

- Compensation(req\_id)

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Compensation.req\_id references Leave.RequestID

- Unpaid (req\_id, doc\_id, e\_id)

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Unpaid.req\_id references Leave.RequestID

Unpaid.doc\_id references Document.DocID

Unpaid.e\_id references Employee.E\_id

- RequestMedical(req\_id, Insurance, DisabilityDetails, Category, e\_id)

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RequestMedical.req\_id references Leave.RequestID

RequestMedical.e\_id references Employee.E\_id

- RequestAnnual(req\_id, ReplacementID, e\_id)

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RequestAnnual.req\_id references Leave.RequestID

RequestAnnual.e\_id references Employee.E\_id

- RequestCompensation(req\_id, OriginalDate, ReplacementID, Reason, e\_id)

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RequestCompensation.req\_id references Leave.RequestID

RequestCompensation.e\_id references Employee.E\_id

- MedicalDoc(reqID, docID)

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MedicalDoc.reqID references Medical.RequestID

MedicalDoc.docID references Document.DocID