Schema of HRMS Database:

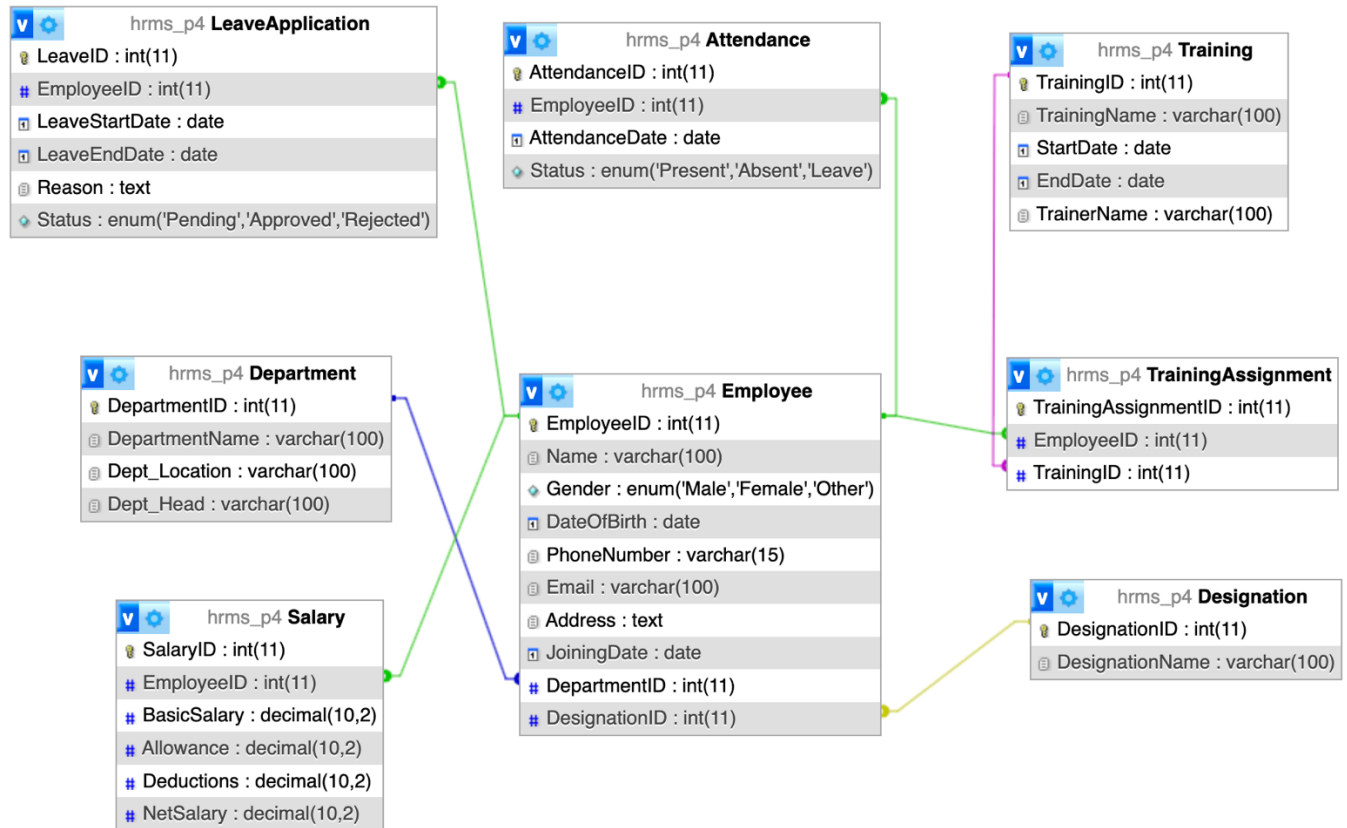**hrms_p4 LeaveApplication**
- LeaveID : int(11)
- EmployeeID : int(11)
- LeaveStartDate : date
- LeaveEndDate : date
- Reason : text
- Status : enum('Pending','Approved','Rejected')

hrms_p4 Attendance
- AttendanceID : int(11)
- EmployeeID : int(11)
- AttendanceDate : date
- Status : enum('Present','Absent','Leave')

hrms_p4 Training
- TrainingID : int(11)
- TrainingName : varchar(100)
- StartDate : date
- EndDate : date
- TrainerName : varchar(100)

hrms_p4 Department
- DepartmentID : int(11)
- DepartmentName : varchar(100)
- Dept_Location : varchar(100)
- Dept_Head : varchar(100)

hrms_p4 Employee
- EmployeeID : int(11)
- Name : varchar(100)
- Gender : enum('Male','Female','Other')
- DateOfBirth : date
- PhoneNumber : varchar(15)
- Email : varchar(100)
- Address : text
- JoiningDate : date
- DepartmentID : int(11)
- DesignationID : int(11)

hrms_p4 TrainingAssignment
- TrainingAssignmentID : int(11)
- EmployeeID : int(11)
- TrainingID : int(11)

hrms_p4 Salary
- SalaryID : int(11)
- EmployeeID : int(11)
- BasicSalary : decimal(10,2)
- Allowance : decimal(10,2)
- Deductions : decimal(10,2)
- NetSalary : decimal(10,2)

hrms_p4 Designation
- DesignationID : int(11)
- DesignationName : varchar(100)

Table 1: Department

DepartmentID	DepartmentName	Dept_Location	Dept_Head
1	Human Resources	Dhaka	Rahim Ahmed
2	Finance	Chittagong	Karim Chowdhury
3	IT	Sylhet	Sumaiya Begum
4	Operations	Khulna	Tania Sultana
5	Sales	Barisal	Faruk Hossain
6	Procurement	Rangpur	Nazmul Islam
7	Logistics	Mymensingh	Sadia Rahman
8	Customer Service	Comilla	Rokeya Begum
9	Quality Control	Gazipur	Abdul Matin
10	Marketing	Rajshahi	Shamim Reza
11	Research and Development	Dhaka	Tanvir Alam
12	Legal	Chittagong	Sufia Khatun
13	Public Relations	Sylhet	Nargis Akter
14	Training and Development	Khulna	Hasan Mahmud
15	Security	Barisal	Imran Khan
16	Audit	Rangpur	Shahin Alam
17	Strategy	Mymensingh	Rehena Parvin
18	Business Development	Comilla	Mehedi Hasan
19	Environmental Health	Gazipur	Parvez Rahman
20	Supply Chain	Rajshahi	Sharmin Akter
21	Event Management	Dhaka	Afsana Parvin
22	Corporate Affairs	Chittagong	Raihan Mahmud
23	Product Development	Sylhet	Zarin Hossain
24	IT Security	Khulna	Saiful Alam
25	Supply Chain Management	Rajshahi	Nazrul Islam

Table 2: designation

DesignationID	DesignationName
1	HR Manager
2	HR Executive
3	Accountant
4	Finance Manager
5	Software Engineer
6	IT Support Specialist
7	Operations Manager
8	Sales Executive
9	Logistics Coordinator
10	Quality Analyst
11	Customer Support Specialist
12	Marketing Manager
13	Procurement Officer
14	Product Manager
15	Team Leader
16	Training Specialist
17	Audit Officer
18	Business Analyst
19	Legal Advisor
20	Security Supervisor
21	Digital Marketing Specialist
22	Chief Data Officer
23	AI Researcher
24	Mobile App Developer

Table 3: Employee

EmployeeID	Name	Gender	DateOfBirth	PhoneNumber	Email	Address	JoiningDate	DepartmentID	DesignationID
1	Rahim Ahmed	Male	1985-02-15	01712345678	rahim.ahmed@hrms.com	Dhaka	2015-01-10	1	1
2	Sumaiya Begum	Female	1990-05-22	01823456789	sumaiya.begum@hrms.com	Sylhet	2017-03-15	2	3
3	Karim Chowdhury	Male	1988-09-10	01698765432	karim.chowdhury@hrms.com	Chittagong	2016-06-01	3	4
4	Tania Sultana	Female	1995-01-01	01987654321	tania.sultana@hrms.com	Khulna	2018-04-20	4	6
5	Faruk Hossain	Male	1992-08-18	01787654321	faruk.hossain@hrms.com	Barisal	2019-08-10	5	7
6	Employee_732	Female	2016-12-03	01366008	employee_485@hrms.com	City_3	2011-11-24	8	6
7	Employee_95	Female	1987-10-04	018600543	employee_733@hrms.com	City_0	2013-04-10	10	19
8	Employee_909	Female	2016-06-27	012730545	employee_699@hrms.com	City_6	2014-01-30	5	8
9	Employee_476	Male	2020-06-27	01800548	employee_442@hrms.com	City_9	2017-05-03	8	4
10	Employee_703	Female	2001-01-09	017870134	employee_399@hrms.com	City_6	2023-05-10	10	19
13	Afsana Parvin	Female	1991-03-11	01712123456	afsana.parvin@hrms.com	Dhaka	2020-01-01	1	21
14	Raihan Mahmud	Male	1986-11-23	01812123457	raihan.mahmud@hrms.com	Chittagong	2019-07-15	2	22
15	Zarin Hossain	Female	1993-06-19	01912123458	zarin.hossain@hrms.com	Sylhet	2021-04-10	3	23
16	Saiful Alam	Male	1987-02-14	01612123459	saiful.alam@hrms.com	Khulna	2020-08-01	4	24
17	Nazrul Islam	Male	1990-09-30	01512123460	nazrul.islam@hrms.com	Rajshahi	2018-05-20	5	25
18	Sadia Anjum	Female	1994-07-07	01712123461	sadia.anjum@hrms.com	Barisal	2022-02-15	6	26
19	Rokibul Haque	Male	1988-10-12	01812123462	rokibul.haque@hrms.com	Rangpur	2017-11-05	7	27
20	Salma Begum	Female	1992-12-25	01912123463	salma.begum@hrms.com	Mymensingh	2016-06-18	8	28
21	Tanvir Khan	Male	1985-05-15	01612123464	tanvir.khan@hrms.com	Comilla	2015-03-30	9	29
22	Fahim Rahman	Male	1996-01-20	01512123465	fahim.rahman@hrms.com	Gazipur	2023-01-10	10	30
23	Afsana Parvin	Female	1991-03-11	01712123456	afsana.parvin@hrms.com	Dhaka	2020-01-01	1	21
24	Raihan Mahmud	Male	1986-11-23	01812123457	raihan.mahmud@hrms.com	Chittagong	2019-07-15	2	22
25	Zarin Hossain	Female	1993-06-19	01912123458	zarin.hossain@hrms.com	Sylhet	2021-04-10	3	23
26	Saiful Alam	Male	1987-02-14	01612123459	saiful.alam@hrms.com	Khulna	2020-08-01	4	24
27	Nazrul Islam	Male	1990-09-30	01512123460	nazrul.islam@hrms.com	Rajshahi	2018-05-20	5	25

Table 4: attendance

AttendanceID	EmployeeID	AttendanceDate	Status
1	1	2023-01-24	Present
2	2	2023-01-04	Absent
3	3	2023-01-12	Leave
4	4	2023-01-30	Absent
5	5	2023-01-08	Leave
6	8	2023-01-28	Leave
7	6	2023-01-13	Absent
8	9	2023-01-14	Leave
9	7	2023-01-30	Leave
10	10	2023-01-12	Present
16	1	2025-01-01	Present
17	2	2025-01-02	Present
18	3	2025-01-03	Absent
19	4	2025-01-04	Leave
20	5	2025-01-05	Present
21	6	2025-01-06	Absent
22	7	2025-01-07	Present
23	8	2025-01-08	Present
24	9	2025-01-09	Leave
25	10	2025-01-10	Present

Table 5: Salary

SalaryID	EmployeeID	BasicSalary	Allowance	Deductions	NetSalary
1	1	45200.00	14959.00	2519.00	57640.00
2	2	38432.00	10348.00	125.00	48655.00
3	3	54165.00	13955.00	1995.00	66125.00
4	4	55560.00	6997.00	244.00	62313.00
5	5	62361.00	13002.00	1722.00	73641.00
6	8	48803.00	11278.00	2187.00	57894.00
7	6	60475.00	11221.00	2475.00	69221.00
8	9	40356.00	13193.00	960.00	52589.00
9	7	35695.00	12516.00	993.00	47218.00
10	10	46044.00	5118.00	2567.00	48595.00
16	1	45000.00	7000.00	2000.00	50000.00
17	2	40000.00	5000.00	1500.00	43500.00
18	3	55000.00	10000.00	2500.00	62500.00
19	4	30000.00	4000.00	1000.00	33000.00
20	5	60000.00	12000.00	3000.00	69000.00
21	6	35000.00	5000.00	1200.00	38800.00
22	7	50000.00	9000.00	2000.00	57000.00
23	8	32000.00	3500.00	800.00	34700.00
24	9	47000.00	8000.00	1900.00	53100.00
25	10	38000.00	6000.00	1500.00	42500.00
26	1	45000.00	7000.00	2000.00	50000.00
27	2	40000.00	5000.00	1500.00	43500.00
28	3	55000.00	10000.00	2500.00	62500.00
29	4	30000.00	4000.00	1000.00	33000.00
30	5	60000.00	12000.00	3000.00	69000.00

Table 6: LeaveApplication

LeaveID	EmployeeID	LeaveStartDate	LeaveEndDate	Reason	Status
1	1	2023-01-08	2023-01-29	Personal Leave	Approved
2	2	2023-01-20	2023-01-30	Personal Leave	Approved
3	3	2023-01-09	2023-02-08	Personal Leave	Pending
4	4	2023-01-20	2023-02-06	Personal Leave	Approved
5	5	2023-01-14	2023-01-17	Personal Leave	Rejected
6	8	2023-01-25	2023-01-22	Personal Leave	Approved
7	6	2023-01-18	2023-01-16	Personal Leave	Approved
8	9	2023-01-04	2023-01-25	Personal Leave	Pending
9	7	2023-01-19	2023-01-19	Personal Leave	Rejected
10	10	2023-01-04	2023-01-14	Personal Leave	Approved
16	1	2025-01-10	2025-01-15	Medical	Approved
17	2	2025-02-01	2025-02-05	Vacation	Pending
18	3	2025-03-05	2025-03-07	Family Emergency	Rejected
19	4	2025-04-01	2025-04-03	Training	Approved
20	5	2025-05-10	2025-05-12	Personal	Pending
21	6	2025-06-20	2025-06-25	Medical	Approved
22	7	2025-07-15	2025-07-17	Vacation	Rejected
23	8	2025-08-01	2025-08-05	Family Emergency	Pending
24	9	2025-09-10	2025-09-15	Training	Approved
25	10	2025-10-20	2025-10-22	Medical	Rejected
26	1	2025-01-10	2025-01-15	Medical	Approved
27	2	2025-02-01	2025-02-05	Vacation	Pending
28	3	2025-03-05	2025-03-07	Family Emergency	Rejected
29	4	2025-04-01	2025-04-03	Training	Approved
30	5	2025-05-10	2025-05-12	Personal	Pending

Table 7: training

TrainingID	TrainingName	StartDate	EndDate	TrainerName
1	Leadership Skills	2023-03-01	2023-03-10	Abdul Matin
2	Advanced Excel	2023-04-01	2023-04-05	Sadia Rahman
3	Data Analytics	2023-05-01	2023-05-10	Nazmul Islam
4	Cybersecurity Basics	2023-06-01	2023-06-07	Rokeya Begum
5	Training_38	2023-05-30	2023-01-16	Trainer_26
6	Training_64	2023-04-24	2023-02-25	Trainer_7
7	Training_9	2023-01-07	2023-07-14	Trainer_20
8	Training_33	2023-03-22	2023-03-03	Trainer_41
12	Cloud Computing	2025-03-01	2025-03-05	Anika Rahman
13	Machine Learning	2025-03-10	2025-03-15	Shakib Khan
14	Web Development	2025-04-01	2025-04-05	Fahim Hasan
15	DevOps Practices	2025-04-10	2025-04-14	Rakibul Islam
16	Soft Skills	2025-05-01	2025-05-03	Nargis Ahmed
17	Critical Thinking	2025-06-01	2025-06-02	Samira Hossain
18	Python Advanced	2025-07-01	2025-07-07	Tanvir Alam
19	Data Visualization	2025-08-01	2025-08-06	Sadia Karim
20	AI Ethics	2025-09-01	2025-09-03	Parvez Rahman
21	Blockchain Basics	2025-10-01	2025-10-04	Farhan Ali
22	Cloud Computing	2025-03-01	2025-03-05	Anika Rahman
23	Machine Learning	2025-03-10	2025-03-15	Shakib Khan
24	Web Development	2025-04-01	2025-04-05	Fahim Hasan
25	DevOps Practices	2025-04-10	2025-04-14	Rakibul Islam
26	Soft Skills	2025-05-01	2025-05-03	Nargis Ahmed
27	Critical Thinking	2025-06-01	2025-06-02	Samira Hossain
28	Python Advanced	2025-07-01	2025-07-07	Tanvir Alam

Table 8: trainingAssignment

TrainingAssignmentID	EmployeeID	TrainingID
1	1	1
2	1	6
3	2	2
4	2	7
5	3	3
6	3	8
7	4	4
8	5	5
9	8	3
10	8	8
11	6	1
12	6	6
13	9	4
14	7	2
15	7	7
16	10	5