**Activity Sheet -2**

**Activity1**

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|  |  |  |  |  |  |
| 1 | Modify table resource as per data below: | | | | |
|  |  |  |  |  |  |
| id | name | Date\_of\_joining | Years\_Of\_Exp | Yash\_EmpID | location\_id |
| 1 | Amol Nilkanth Bagal | 1/20/2014 | 1 | 1002899 | 1 |
| 2 | Manohar Singh | 9/10/2012 | 8 | 1003927 | 1 |
| 3 | Nitish Aggarwal | 3/28/2008 | 8 | 1001553 | 2 |
| 4 | Sonali Uttam Mane | 3/9/2015 | 2 | 1000193 | 3 |
| 5 | Ruchi Soni | 3/26/2015 | 3 | 1003719 | 1 |
| 6 | Kartik Dharmendra Jalgaonkar | 1/12/2014 | 4 | 1003813 | 2 |
| 7 | Charu Dubey | 3/13/2014 | 8 | 1003549 | 1 |
| 8 | Nikhil Bhagwantrao Raut | 5/19/2014 | 6 | 1003054 | 2 |
| 9 | Vishal Khandu Kumkar | 5/25/2012 | 7 | 1003177 | 1 |
| 10 | Isha Tiwari | 4/27/2015 | 2 | 1003927 | 3 |
| 11 | Dharmendra Biswal | 4/30/2015 | 5 | 1003999 | 2 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

CREATE TABLE Location

(Location\_Id INTEGER PRIMARY KEY, Location\_Name VARCHAR(200));

INSERT INTO Location VALUES(1,'Indore');

INSERT INTO Location VALUES(2,'Pune');

INSERT INTO Location VALUES(3,'Banglore');

INSERT INTO Location VALUES(4,'Mumbai');

ALTER TABLE Resource ADD Year\_of\_Exp INT;

SELECT \* FROM Resource;

UPDATE Resource SET Year\_of\_Exp = 1,Location\_Id = 1 WHERE Id = 1;

UPDATE Resource SET Year\_of\_Exp = 8,Location\_Id = 1 WHERE Id = 2;

UPDATE Resource SET Year\_of\_Exp = 8 , Location\_Id = 2 WHERE Id = 3;

UPDATE Resource SET Year\_of\_Exp = 2, Location\_Id = 3 WHERE Id = 4;

UPDATE Resource SET Year\_of\_Exp = 3, Location\_Id = 1 WHERE Id = 5;

UPDATE Resource SET Year\_of\_Exp = 4, Location\_Id = 2 WHERE Id = 6;

UPDATE Resource SET Year\_of\_Exp = 8, Location\_Id = 1 WHERE Id = 7;

UPDATE Resource SET Year\_of\_Exp = 6, Location\_Id = 2 WHERE Id = 8;

UPDATE Resource SET Year\_of\_Exp = 7, Location\_Id = 1 WHERE Id = 9;

UPDATE Resource SET Year\_of\_Exp = 2, Location\_Id = 3 WHERE Id = 10;

UPDATE Resource SET Year\_of\_Exp = 5, Location\_Id = 2 WHERE Id = 11;

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| **3** | **Create table resource** | |  |  |  |
|  |  |  |  |  |  |
|  | resourcehrs\_ID | resourceid | hours | week\_endDate |  |
|  | 1 | 1 | 8 | 12/26/2014 |  |
|  | 2 | 2 | 9 | 12/26/2014 |  |
|  | 3 | 3 | 2 | 12/26/2014 |  |
|  | 4 | 4 | 3 | 12/26/2014 |  |
|  | 5 | 5 | 5 | 6/26/2015 |  |
|  | 6 | 2 | 8 | 6/26/2015 |  |
|  | 7 | 1 | 7 | 6/26/2015 |  |

CREATE TABLE ResourceHours(

ResourceHrs\_Id INT NOT NULL,

Hours INT,

week\_endDate DATE,

Resource\_Id INT,

PRIMARY KEY (ResourceHrs\_Id),

FOREIGN KEY (Resource\_Id) REFERENCES Resource(Resource\_Id)

);

INSERT INTO ResourceHours VALUES (1,8,'2014-12-26',1);

INSERT INTO ResourceHours VALUES (2,9,'2014-12-26',2);

INSERT INTO ResourceHours VALUES (3,2,'2014-12-26',3);

INSERT INTO ResourceHours VALUES (4,3,'2014-12-26',4);

INSERT INTO ResourceHours VALUES (5,5,'2015-06-26',5);

INSERT INTO ResourceHours VALUES (6,8,'2015-06-26',2);

INSERT INTO ResourceHours VALUES (7,7,'2015-06-26',1);

**4.Create table project**

CREATE TABLE Project(

Project\_Id INT,

Project\_Name VARCHAR(100),

Location\_Id INT,

PRIMARY KEY (Project\_Id),

FOREIGN KEY (Location\_Id) REFERENCES Location(Location\_Id));

INSERT INTO Project VALUES (1,'project1',1);

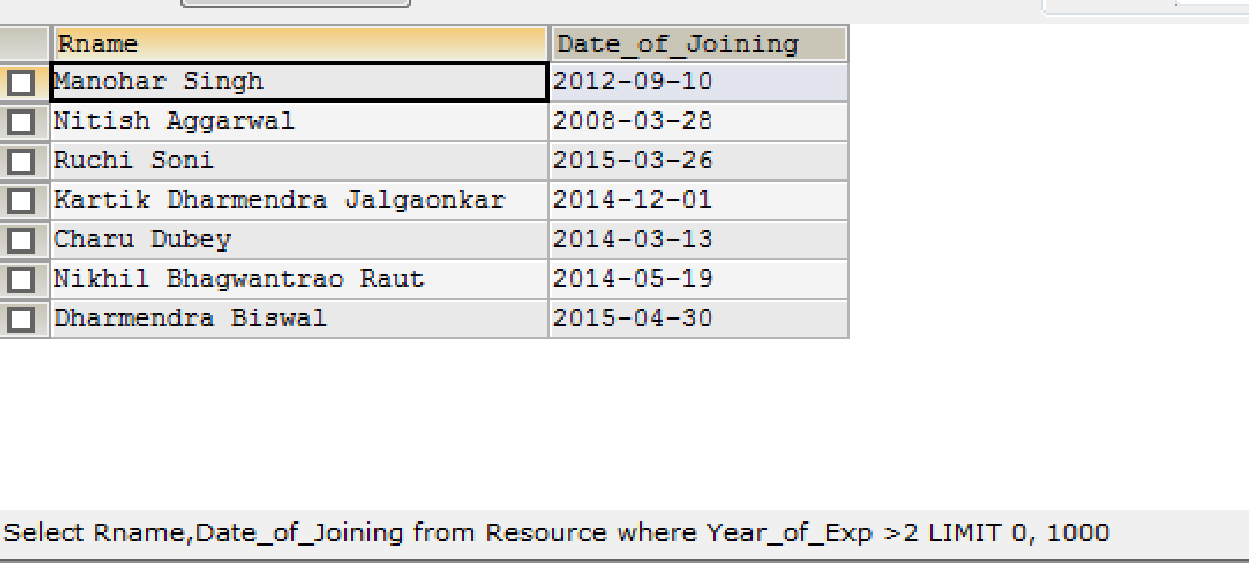
INSERT INTO Project VALUES (2,'project2',1);

INSERT INTO Project VALUES (3,'project3',3);

INSERT INTO Project VALUES (4,'project4',4);

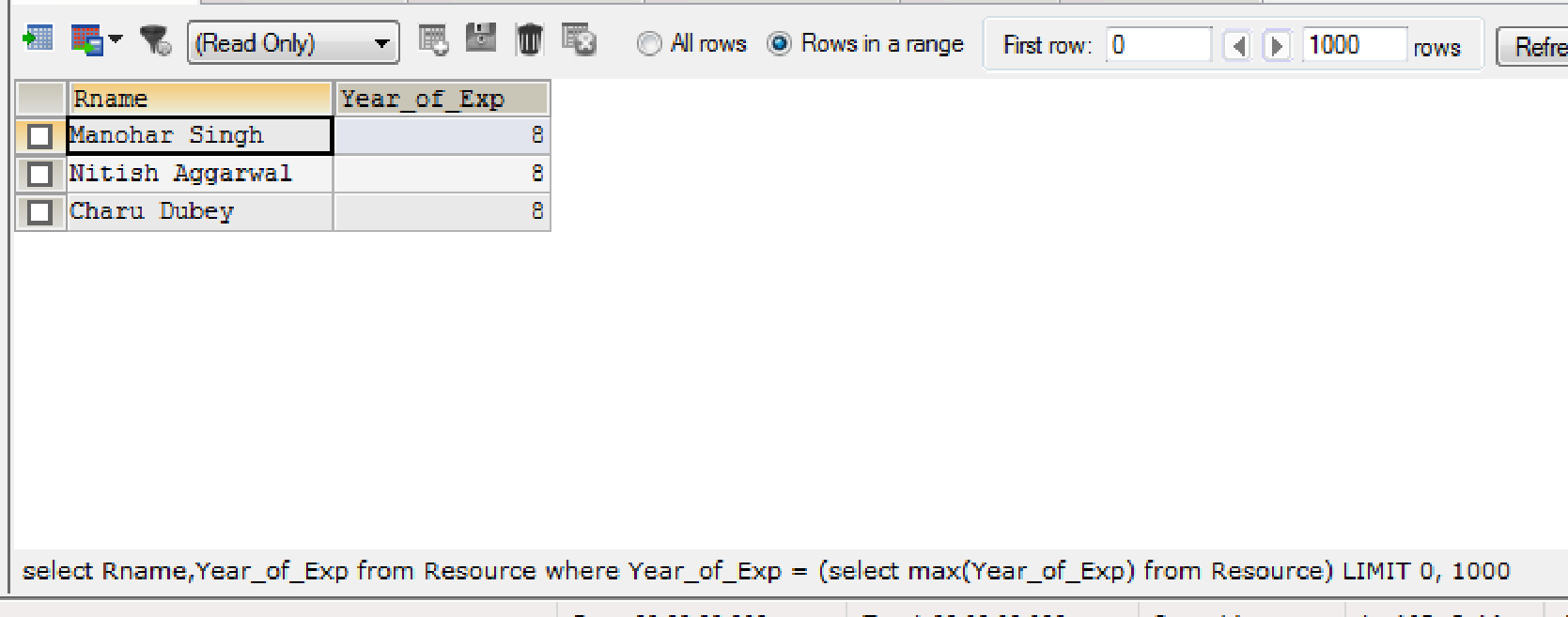
|  |  |
| --- | --- |
| **1** | **List out resource name ,date\_of\_joining,location od resource whose years\_of\_exp is more than 2 years** |

SELECT Rname,Date\_of\_Joining FROM Resource WHERE Year\_of\_Exp >2;



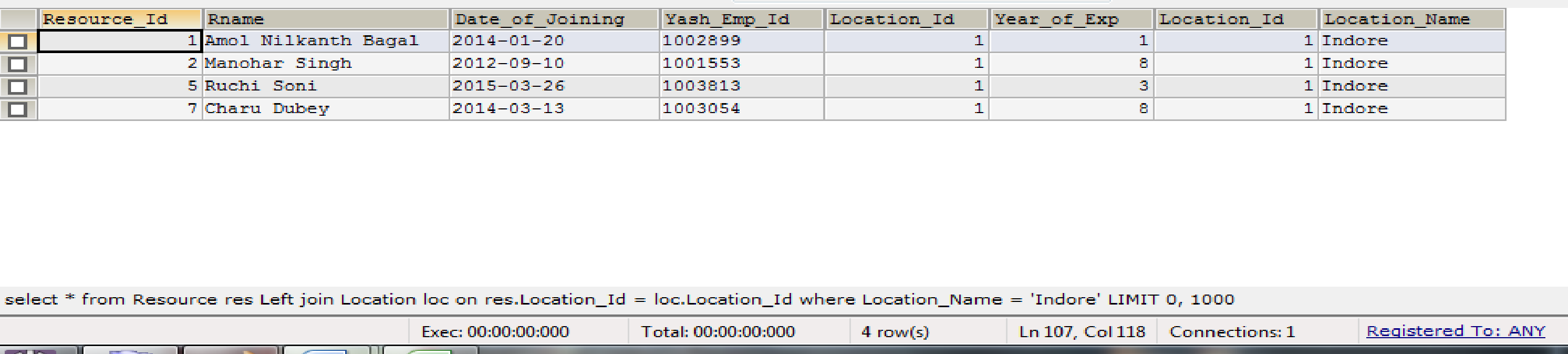
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| **2** | **Find the employee which maximum experience** |

SELECT Rname,Year\_of\_Exp FROM Resource WHERE Year\_of\_Exp = (SELECT MAX(Year\_of\_Exp) FROM Resource);



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| **3** | **Find the resource with Indore location** |

SELECT \* FROM Resource res LEFT JOIN Location loc ON res.Location\_Id = loc.Location\_Id WHERE Location\_Name = 'Indore';

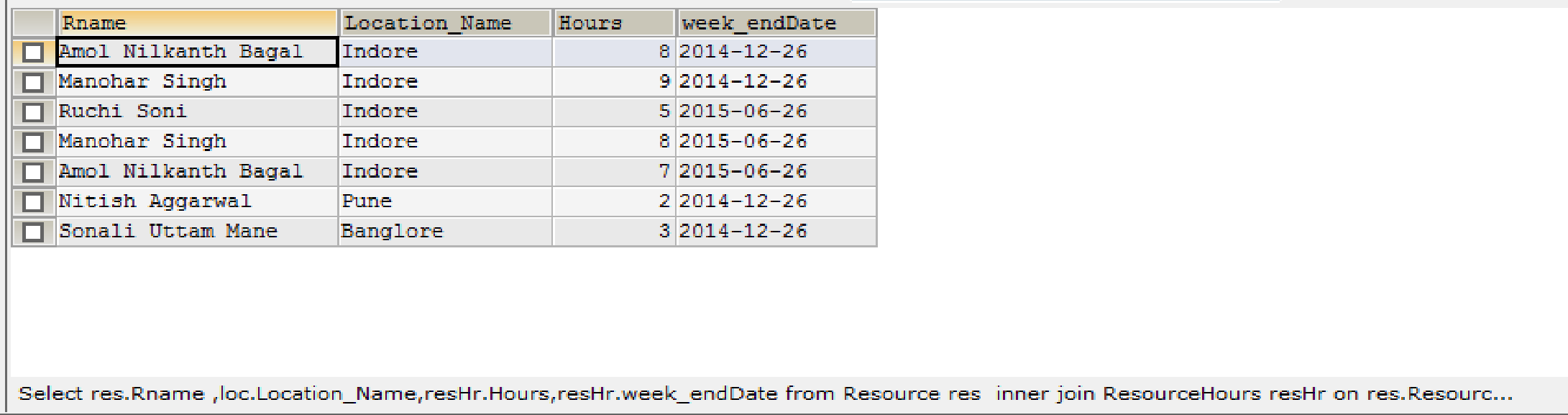


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| **4** | **Find the resource name,hours ,location ,week\_end\_date .** |

SELECT res.Rname ,loc.Location\_Name,resHr.Hours,resHr.week\_endDate FROM Resource res

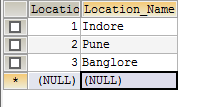
INNER JOIN ResourceHours resHr ON res.Resource\_Id = resHr.Resource\_Id

INNER JOIN Location loc ON res.Location\_Id = loc.Location\_Id;



|  |  |
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| **5** | **Delete record from location table with location name as Mumbai** |

DELETE FROM location WHERE Location\_Name= 'Mumbai';



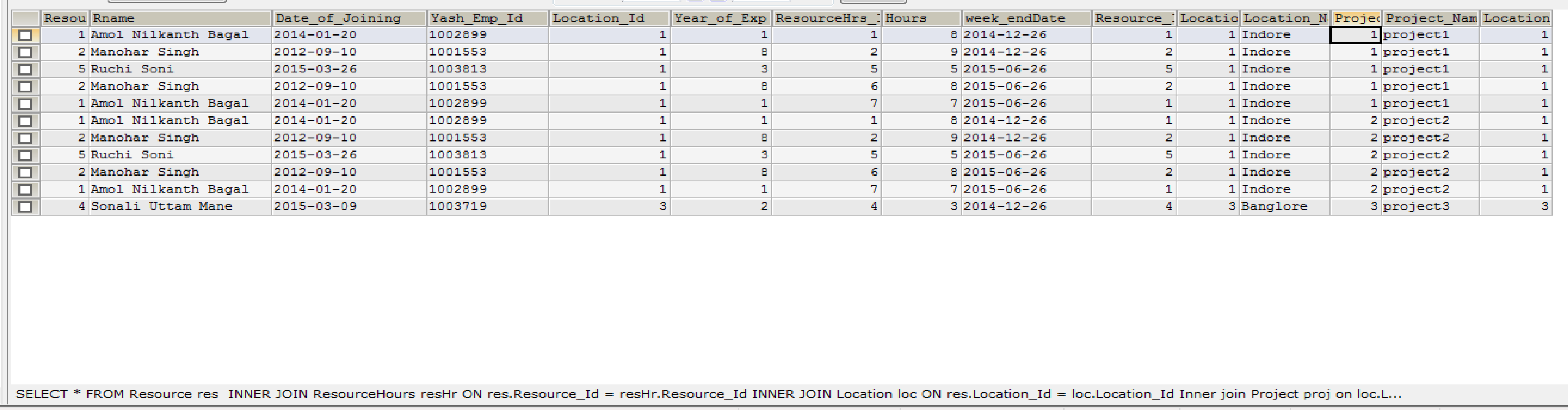
|  |  |
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| **6** | **Make listing of all the records from all the tables using inner join** |

SELECT \* FROM Resource res

INNER JOIN ResourceHours resHr ON res.Resource\_Id = resHr.Resource\_Id

INNER JOIN Location loc ON res.Location\_Id = loc.Location\_Id

INNER JOIN Project proj ON loc.Location\_Id = proj.Location\_Id;



|  |  |
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| **7** | **Drop primary key and foreign key constraint from project table (Drop constraint not the columns)** |

ALTER TABLE Project DROP PRIMARY KEY;

ALTER TABLE Project DROP FOREIGN KEY Location\_Id;