1. Create the following tables

**Employee**

|  |  |
| --- | --- |
| **Empno** | Identifies the Employee’s |
| Emp\_name | Employee name. Cannot be blank |
| Emp\_Join\_Date | Date of Join of employee. Default is the system date |
| Emp\_Status | Employee status . Can be either P, C or R |

**Project**

|  |  |
| --- | --- |
| **Project\_Code** | Identifies the projects |
| Project\_Description | Name of the project. Cannot be blank and have to be unique |
| Project\_Start\_Date | Start date of the project. Cannot be blank |
| Project\_End\_Date | End date of the project |

**Project\_Allocation**

|  |  |
| --- | --- |
| **Project Code** | Project Code |
| **Empno** | Employee number |
| Emp\_Proj\_Alloc\_Date | Employee project allocation date |
| Emp\_Proj\_Release\_Date | Employee project release date |

2. Insert the following data in Employee table

|  |  |  |  |
| --- | --- | --- | --- |
| **Empno** | Emp\_name | Emp\_Join\_Date | Emp\_Status |
| 101 | Jhonny | 01-Jul-2005 | C |
| 116 | Nayak | 16-Aug-2005 | C |
| 202 | Meera | 30-Jan-2006 | C |
| 205 | Ravi | 11-Feb-2006 | C |
| 304 | Hari | 25-Nov-2006 | P |
| 307 | Nancy | 15-Jan-2007 | P |
| 403 | Nick | 21-Jan-2007 | P |

3. Insert the following data in Project table

|  |  |  |  |
| --- | --- | --- | --- |
| **Project\_Code** | Project\_Name | Project\_Start\_Date | Project\_End\_Date |
| P001 | Environment Pollution | 02-Aug-2005 | 11-Dec-2006 |
| P002 | Learning Curve | 01-Feb-2006 | 15-Mar-2006 |
| P003 | Effects of IT | 03-Jan-2007 |  |

4. Insert the following data in Project\_Allocation table

|  |  |  |  |
| --- | --- | --- | --- |
| **Project\_Code** | **Empno** | Emp\_Proj\_Alloc\_Date | Emp\_Proj\_Release\_Date |
| P001 | 101 | 01-Aug-2005 | 11-Dec-2006 |
| P001 | 116 | 16-Aug-2005 | 11-Dec-2006 |
| P002 | 202 | 01-Feb-2006 | 14-Jan-2007 |
| P002 | 307 | 15-Jan-2007 |  |
| P002 | 205 | 11-Feb-2006 |  |
| P003 | 403 | 21-Jan-2007 |  |
| P003 | 304 | 03-Jan-2007 |  |
| P003 | 101 | 03-Jan-2007 |  |
| P003 | 116 | 03-Jan-2007 |  |
| P003 | 202 | 15-Jan-2007 |  |

5. Write queries for the following :

1. List all the project names along with the employee names to whom the project is assigned.
2. Display the name of employees whose status is confirmed.
3. List the employees who have joined in the month of November.
4. List the projects which have started after 1st Jan 2006.
5. List all the employees who are working for the project entitled ‘Effects of IT’.
6. List all the projects that are not yet completed.
7. Display the Employees who are released from project having code P002.
8. Count and display the number of days it took for the completion of project P002.
9. List the name of employees along with the number of days they have worked for projects allocated to them.

10. Add a column Manager\_id in the Projects table

11. Update the Projects table with the following data :

|  |  |
| --- | --- |
| Project\_Code | Manager\_id |
| P001 | 101 |
| P002 | 202 |
| P003 | 116 |

12. A new project entitled “Election Rage” which will be starting on 1st March 2007 has been received. Add these details in Projects table.

13. Project named “Effects of IT” is cancelled. Remove its details from the Projects table.

14. List the projects with a time duration of more than 13 months.

15. List the number of employees, project wise who have worked on the project in Feb – 2007.