

Activities Eclipse Wed 2:13 PM java - hello/src/hello/database.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Console database [Java Application] /usr/lib/jvm/java-11-openjdk-amd64/bin/java (Sep 9, 2020, 2:13:15 PM)

```
1 Find the professor details and department details using NATURAL JOIN
2 Find the prof_id, prof_name and shift
3 List all the department details and the corresponding names of professors in the same department
4 List all the professors and the corresponding names of department
5 Display professor name, dept name, shift, salary where prof_id = 101
6 List the total number of professor in each department
7 List the prof_id associated department and the dept_name having name 'computer'
8 Find the names of all departments where the professors joined in year 2015 (or date of joining is (1-1-2015))
9 Create view showing the professor and shift details
10 Perform Manipulation on simple view-Insert, update, delete, drop view
99 Exit
```

1

dept_id	prof_id	prof_fname	prof_lname	designation	salary	doj	email
1	1	Ajit	Morc	Assistant Professor	20000	2015-01-01	ajitm
1	2	Soham	Channa	Assistant Professor	40000	2018-12-01	sohamc
2	3	Rupesh	Pund	Associate Professor	60000	2015-01-01	rupesh
2	4	Pratik	Patil	Associate Professor	60000	2014-12-01	pratik
3	5	Meghraj	Deshmukh	HOD	90000	2008-12-01	meghre
3	6	Sunil	Pawar	Professor	70000	2018-12-01	sunilt
4	7	Devshree	Kusumkar	HOD	90000	2005-12-01	devshr
4	8	Sayali	Kadam	Research Associate	50000	2019-12-01	sayali
5	9	sameer	Kadam	Research Associate	50000	2019-12-01	sameer
5	10	Sumit	Pawar	Professor	70000	2011-12-01	sumitp

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2

prof_id	prof_fname	shift
1	Ajit	second
2	Soham	first
3	Rupesh	first
4	Pratik	first
5	Meghraj	first
6	Sunil	second

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```
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2

| prof_id | prof_fname | shift |
|-----|-----|-----|
| 1 | Ajit | second |
| 2 | Soham | first |
| 3 | Rupesh | first |
| 4 | Pratik | first |
| 5 | Meghraj | first |
| 6 | Sunil | second |
| 7 | Devshree | first |
| 8 | Sayali | first |
| 9 | sameer | first |

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3

| dept_id | dept_name | prof_fname |
|-----|-----|-----|
| 1 | Computer Engineering | Ajit |
| 1 | Computer Engineering | Soham |
| 2 | Information Technology | Pratik |
| 2 | Information Technology | Rupesh |
| 3 | Electrical Engineering | Sunil |
| 3 | Electrical Engineering | Meghraj |
| 4 | Mechanical Engineering | Sayali |
| 4 | Mechanical Engineering | Devshree |
| 5 | Civil Engineering | Sumit |
| 5 | Civil Engineering | sameer |

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```
4
| prof_fname | prof_lname | dept_name |
|-----|-----|-----|
| Ajit | More | Computer Engineering |
| Soham | Channa | Computer Engineering |
| Rupesh | Pund | Information Technology |
| Pratik | Patil | Information Technology |
| Meghraj | Deshmukh | Electrical Engineering |
| Sunil | Pawar | Electrical Engineering |
| Devshree | Kusumkar | Mechanical Engineering |
| Sayali | Kadam | Mechanical Engineering |
| Sameer | Kadam | Civil Engineering |
| Sumit | Pawar | Civil Engineering |

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5
| prof_fname | dept_name | shift | salary |
|-----|-----|-----|-----|
| Ajit | Computer Engineering | second | 20000 |

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6
1 Find the professor details and department details using NATURAL JOIN
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6
1 Find the professor details and department details using NATURAL JOIN
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9 Create view showing the professor and shift details
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99 Exit

7
-----
| prof_id | dept_name |
-----
| 1       | Computer Engineering |
| 2       | Computer Engineering |
-----

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8
-----
| dept_name |
-----
| Computer Engineering |
| Information Technology |
-----

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-----
| dept_name |
-----
| Computer Engineering |
| Information Technology |
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9

-----
| prof_id | prof_fname | prof_lname | shift | working hours |
-----
| 1 | Ajit | More | second | 2 |
| 2 | Soham | Channa | first | 3 |
| 3 | Rupesh | Pund | first | 5 |
| 4 | Pratik | Patil | first | 2 |
| 5 | Meghraj | Deshmukh | first | 3 |
| 6 | Sunil | Pawar | second | 3 |
| 7 | Devshree | Kusumkar | first | 4 |
| 8 | Sayali | Kadam | first | 2 |
| 9 | sameer | Kadam | first | 2 |
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