NORMALIZATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| studID | Name | Dept | HOD | PhNo |
| 1 | Bajrangabali | CSE | CSP | 1234 |
| 2 | Hanumanta | EC | ECP | 1233 |
| 3 | Chiranjeevi | IS | ISP | 1232 |
| 4 | Aanjineyalu | CSE | CSP | 1234 |
| 5 | JaiKapeesh | EC | ECP | 1233 |
| 6 | Maaruti | EC | ECP | 1233 |

In this case if we change the Ph No., then we must update many rows.

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| --- | --- | --- |
| studID | Name | Dept |
| 1 | Bajrangabali | CSE |
| 2 | Hanumanta | EC |
| 3 | Chiranjeevi | IS |
| 4 | Aanjaneyalu | CSE |
| 5 | JaiKapeesh | EC |
| 6 | Maaruti | EC |

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| --- | --- | --- |
| Dept | HOD | PhNo |
| CSE | CSP | 1234 |
| IS | ISP | 1233 |
| EC | ECP | 1232 |

However, in this case, now in the Dept table if we wish to change the PhNo, one only copy needs to be updated.