

Cartesian Product – Practise Questions

College Database

- Student(sName, RollNo, Class, AdmNNo)
- Course(CourseName, Cid, offereddept)
- CourseRoom(Cid, RoomNo)
- Faculty(Fname, Fid, F.Dept)
- Department(Dname, Did, HoD)
- Room(Roomno, RoomLocation)
- Platform(PlatformName, Link, Cid)
- Subtaught(Fid, Cid, Modeofteach)
- ClassDetails(Classname, Cid, Department)

Q. Find the location of the room in which cs 206 is conducting ?

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- Room(Roomno,RoomLocation)
- CourseRoom(Cid,RoomNo)

Answer

- $\pi_{\text{RoomLocation}}(\sigma_{\text{cid}=\text{"cs206"}}(\sigma_{\text{Room.RoomNo}=\text{CourseRoom.Roomno}}(\text{Room x Courseroom}))$

Q. Retrieve platformname of a course
Discrete Computational Structures

Retrieve the HoD name of Electrical
Department

