# SQL Lab Exercise: Multiple Tables and Queries

## Step 1: Create Database

CREATE DATABASE college\_db;  
USE college\_db;

## Step 2: Create Tables

-- Departments table  
CREATE TABLE departments (  
 department\_id INT PRIMARY KEY,  
 department\_name VARCHAR(50)  
);

| **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&sql_query=SELECT+*+FROM+`departments`++%0AORDER+BY+`departments`.`department_id`+ASC&sql_signature=60cc2cd51051f53081caa8cf8e532bcac54ae282b464525090f1e02397cd72d7&session_max_rows=25&is_browse_distinct=0)** | **[department\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&sql_query=SELECT+*+FROM+`departments`++%0AORDER+BY+`departments`.`department_name`+ASC&sql_signature=a4b81d01adc7f80ec40a831c359181a0cc34bbe7d9ad892cb018d73ed44641f9&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | Computer Science |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | Mathematics |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | Physics |

-- Students table  
CREATE TABLE students (  
 student\_id INT PRIMARY KEY,  
 name VARCHAR(50),  
 age INT,  
 department\_id INT,  
 FOREIGN KEY (department\_id) REFERENCES departments(department\_id)  
);

| **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`student_id`+ASC&sql_signature=5f7927b47947a0d878f5b7107d77516eac5daad5d75f74ac9ea851245334ae68&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`name`+ASC&sql_signature=948621a279f6657ceefdf6211813e7f997daa7e73c0f6aa1be7052d3fc1d7183&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`age`+ASC&sql_signature=3a6be9b52deb68cb054f0ff194aa67d5363fcb7060bcb7eb56ceac1053a808ca&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=d3f2af11a41f32a07721cc45e03748aedf9057efe932a1fc894f33460504bfd1&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 20 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=81450ae0c5478cd135341f5ed022d4946035322a6081d9d4971514aa5b6eb8c4&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 102 | Rahul | 21 | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=df8d54b84b83eab739805d5d9a392a47ebb85777c983aaa958dcff1fcacac6d5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |
| **-** | Edit | coby | Delete | 103 | Aman | 22 | 1 |
| \_ | Edit | copy | Delete | 104 | sheha | 20 | 3 |

-- Courses table  
CREATE TABLE courses (  
 course\_id INT PRIMARY KEY,  
 course\_name VARCHAR(50),  
 department\_id INT,  
 FOREIGN KEY (department\_id) REFERENCES departments(department\_id)  
);

|  | | | | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=2450cc281f7b4d295f9acb90691057352365c616088dc391a13ad9f19c29f7ac&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=dbbeaf4d2d63e9c0eb54e3ec8723633a0eb272e74a5d9975e7fa569e974deecf&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=4d619185d32e302dc6a2ad1831ef07c775e97bc32b0dd8a76f7900fb1fa4874e&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | DBMS | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=81450ae0c5478cd135341f5ed022d4946035322a6081d9d4971514aa5b6eb8c4&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | java | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=df8d54b84b83eab739805d5d9a392a47ebb85777c983aaa958dcff1fcacac6d5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | php | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=5e8cf37b5dee691a4c56c2087858579fd027fdd849715ed5bb72cba944c2e7d1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |  |  |  |  |

-- Enrollments table  
CREATE TABLE enrollments (  
 enrollment\_id INT PRIMARY KEY,  
 student\_id INT,  
 course\_id INT,  
 grade VARCHAR(2),  
 FOREIGN KEY (student\_id) REFERENCES students(student\_id),  
 FOREIGN KEY (course\_id) REFERENCES courses(course\_id)

);

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+enrollments++%0AORDER+BY+`enrollments`.`student_id`+ASC&sql_signature=cfe93b16532e8dea5d56b826057ac520e4e79f49acbeeb06507f2504141fe5e6&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+enrollments++%0AORDER+BY+`enrollments`.`course_id`+ASC&sql_signature=2cea10979942f1087609c656c73b6b0ace249ca921997880b0a758107b9e5a35&session_max_rows=25&is_browse_distinct=0)** | **[grade](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+enrollments++%0AORDER+BY+`enrollments`.`grade`+ASC&sql_signature=43e6bd29a859091f69dea8ed7ba51a12502aa7c04fd99b92af6d71b900874774&session_max_rows=25&is_browse_distinct=0)** | **[enrollment\_id IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+enrollments++%0AORDER+BY+`enrollments`.`enrollment_id`+DESC&sql_signature=ed7691dfb6f3cca5534268bec70027b08ef73c8a66de7713280cec5b07a6ca9c&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=e4f6ed970296bb19ec3aeac125a45dbbe140d2b8f093bbcb05c92656115819e6&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+101" \o "Shruti) | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=3e08a38107152ab13801c4963e054fd880b888d4472269f30e2dcf8c15f91d9f&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+1" \o "DBMS) | A | 1 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=41c7269b217d4c94a1f3df6b1718e6df173179885f193df5d5328e2320509362&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+102" \o "Rahul) | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=dd638f924f6e123d4a49815f4e8c9da2f249ea7b186233155fdc052e3b9bdb84&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+2" \o "java) | B | 2 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=894180cb64f4b82d80a798f8184d37bf1820009c13e1ebd84b46da6162c42d0d&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+103" \o "Aman) | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=3786d8159a6471690681a965848655c777b0e56503e0fee9179fbff7823eff0a&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+3" \o "php) | C | 3 |  |  |  |  |

## Step 3: Insert Data

-- Insert into departments  
INSERT INTO departments VALUES   
(1, 'Computer Science'),  
(2, 'Mathematics'),  
(3, 'Physics');

| **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&sql_query=SELECT+*+FROM+`departments`++%0AORDER+BY+`departments`.`department_id`+ASC&sql_signature=0252036962491f45d46ddf487a6a6e737143301b64188f86e39f5d3936468133&session_max_rows=25&is_browse_distinct=0)** | **[department\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&sql_query=SELECT+*+FROM+`departments`++%0AORDER+BY+`departments`.`department_name`+ASC&sql_signature=6244e39277724271f040a9e1ce76eba0d2cef16d765943da93b37f5296f7faeb&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | Computer Science |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | Mathematics |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | Physics |

-- Insert into students  
INSERT INTO students VALUES   
(101, 'Shruti', 20, 1),  
(102, 'Rahul', 21, 2),  
(103, 'Aman', 22, 1),  
(104, 'Sneha', 20, 3);

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[student\_id IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`student_id`+DESC&sql_signature=225a3cffdc5e0cfe95120e811f69ddc47317d06fe1a394d65a2d70afd652f04f&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`name`+ASC&sql_signature=f9f4cca4feec27664984195237fe9a03f0a2f9f7c79d20bf7381bdf5070407c2&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`age`+ASC&sql_signature=3270359f1313f4f30f0bbf3cc9fe4bb22fc75b16fd1c174400e2d2cf2af90297&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=0e7492640cf3ac3881733188c77c0832ce2bb01957717b79306d59fc1ec25d2c&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 20 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 102 | Rahul | 21 | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=52cc3a12a53e6424146e396ee3cde77341f3881ca880794f68c62e737785b6e1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 103 | Aman | 22 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 104 | Sneha | 20 | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |  |  |  |  |

-- Insert into courses  
INSERT INTO courses VALUES   
(1, 'DBMS', 1),  
(2, 'java', 2),  
(3, 'php', 3);

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=6b200bf0686a0d44eb2f522a6d44242d27d9f598d92271a2d2064f5ee16ea169&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=f65a49ed8b30797ba525c91006c27681a6d60076f9056b4f589502eff437331f&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+`courses`++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=1b035cc73436fd437386cb630afcdef25884130a782b128eeee6fa4632567432&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | DBMS | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | java | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=52cc3a12a53e6424146e396ee3cde77341f3881ca880794f68c62e737785b6e1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | php | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |  |  |  |  |

-- Insert into enrollments  
INSERT INTO enrollments VALUES   
(1, 101, 1, 'A'),  
(2, 102, 2, 'B'),  
(3, 103, 1, 'C'),  
(4, 104, 3, 'A');

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+`enrollments`++%0AORDER+BY+`enrollments`.`student_id`+ASC&sql_signature=6faf93822b0f936a3fb2401f6be2bec82234c7ddbe398069c42c5d485dc10413&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+`enrollments`++%0AORDER+BY+`enrollments`.`course_id`+ASC&sql_signature=42baf993f7b3fae46417961124002ff28a49458f19cb8f930b88044ff98da346&session_max_rows=25&is_browse_distinct=0)** | **[grade](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+`enrollments`++%0AORDER+BY+`enrollments`.`grade`+ASC&sql_signature=eb44ef512bb8a278aa5d2fbd80c6569c74e0e000468935353ff97848c250f636&session_max_rows=25&is_browse_distinct=0)** | **[enrollment\_id IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=enrollments&sql_query=SELECT+*+FROM+`enrollments`++%0AORDER+BY+`enrollments`.`enrollment_id`+DESC&sql_signature=be425bdcbffc086e14ec7c9d94bf1e282aa9c70e7dd91c61f2067fce09750ef4&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=75cb168ef8e361dcd22e34f7bccc63664aed6fac246a46243d2f213bc1460c04&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+101" \o "Shruti) | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=bcb42f90894898b043152524f8f0a7451fad227ad341bc139fb9e95d2c6374c5&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+1" \o "DBMS) | A | 1 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=0a7f93266c6b10c82d8dd234da88baae113b70a83aa786ac86d93adab00a8d1c&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+102" \o "Rahul) | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=abfa0f9f2d0e6bafb7504ad767764d08a37f59f7190ce8ad71f416ebb70bb720&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+2" \o "java) | B | 2 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&pos=0&sql_signature=5d0c270d90d80cbf15ca5062b13df88c5ad0a7bd0e22770f8e28d8af08d5db7f&sql_query=SELECT+*+FROM+`college_db`.`students`+WHERE+`student_id`+=+103" \o "Aman) | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&pos=0&sql_signature=7460aa1c284d0de38c53de95f87f00aa015c9ef9207ea2ea376331a0b115e9e4&sql_query=SELECT+*+FROM+`college_db`.`courses`+WHERE+`course_id`+=+3" \o "php) | C | 3 |  |  |  |  |

## Step 4: SQL Query

### 1. Show all students

SELECT \* FROM students;

| **[student\_id IMG_256 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students++%0AORDER+BY+`students`.`student_id`+DESC&sql_signature=a0e5e4a90fe975144e5e9cc2cf70921c962eb48b2af6df80a053bed654ac444d&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students++%0AORDER+BY+`students`.`name`+ASC&sql_signature=725b4657109eb35bd3334c4fa8f4b29c241573bce8c8cb588a68200ac2ae725f&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students++%0AORDER+BY+`students`.`age`+ASC&sql_signature=33c5781acaeb9b52c9cf6fbcb479502e7584505cc74091a9b4185d42807e4a9b&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=a0b7ed6ab3eeabd88f364e816ccd352a641a4c7c54733297d134884789564135&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 20 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 102 | Rahul | 21 | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=52cc3a12a53e6424146e396ee3cde77341f3881ca880794f68c62e737785b6e1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 103 | Aman | 22 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 104 | Sneha | 20 | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |

### 2. Students in 'Computer Science'

SELECT name FROM students WHERE department\_id = 1;

| **[Partial texts](http://localhost/phpmyadmin/index.php)** | | | | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+name+FROM+students+WHERE+department_id+=+1++%0AORDER+BY+`students`.`name`+ASC&sql_signature=14cb44a33facb7ae03e20835bedf9abc6a43272fb1008fe8b6d80baec0cf2e91&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | Shruti |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | Aman |  |  |  |  |

### 3. Name starts with 'S'

SELECT \* FROM students WHERE name LIKE 'S%';

| **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students+WHERE+name+LIKE+'S%'++%0AORDER+BY+`students`.`student_id`+ASC&sql_signature=551f69bd83af2f8bf4a4c175cf34731157d37585eaf9f335208422827eb56e7a&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students+WHERE+name+LIKE+'S%'++%0AORDER+BY+`students`.`name`+ASC&sql_signature=c42e430b1f9e0e70903f60059508b8db7dca94ca66986620fbdb2b4516985667&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students+WHERE+name+LIKE+'S%'++%0AORDER+BY+`students`.`age`+ASC&sql_signature=063f264702854fac6a5cf8f6dda8d68652c2cdb3dfb49597cb5085a44a614780&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+students+WHERE+name+LIKE+'S%'++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=57e8737100c19a0e030dc961e46f8c8a0756959f9e57b6d1bdda097c1fc7cdbe&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 20 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 104 | Sneha | 20 | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |

### 4. Update age of 'Shruti'

UPDATE students SET age = 19 WHERE name = 'Shruti';

| **[Partial texts](http://localhost/phpmyadmin/index.php)** | | | | **[student\_id IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`student_id`+DESC&sql_signature=225a3cffdc5e0cfe95120e811f69ddc47317d06fe1a394d65a2d70afd652f04f&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`name`+ASC&sql_signature=f9f4cca4feec27664984195237fe9a03f0a2f9f7c79d20bf7381bdf5070407c2&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`age`+ASC&sql_signature=3270359f1313f4f30f0bbf3cc9fe4bb22fc75b16fd1c174400e2d2cf2af90297&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=0e7492640cf3ac3881733188c77c0832ce2bb01957717b79306d59fc1ec25d2c&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 19 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 102 | Rahul | 21 | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=52cc3a12a53e6424146e396ee3cde77341f3881ca880794f68c62e737785b6e1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 103 | Aman | 22 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 104 | Sneha | 20 | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |  |  |  |  |

### Delete’

DELETE FROM students WHERE student\_id = 103;

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[student\_id IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`student_id`+DESC&sql_signature=225a3cffdc5e0cfe95120e811f69ddc47317d06fe1a394d65a2d70afd652f04f&session_max_rows=25&is_browse_distinct=0)** | **[name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`name`+ASC&sql_signature=f9f4cca4feec27664984195237fe9a03f0a2f9f7c79d20bf7381bdf5070407c2&session_max_rows=25&is_browse_distinct=0)** | **[age](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`age`+ASC&sql_signature=3270359f1313f4f30f0bbf3cc9fe4bb22fc75b16fd1c174400e2d2cf2af90297&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=students&sql_query=SELECT+*+FROM+`students`++%0AORDER+BY+`students`.`department_id`+ASC&sql_signature=0e7492640cf3ac3881733188c77c0832ce2bb01957717b79306d59fc1ec25d2c&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 101 | Shruti | 19 | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=0fb0bcee50f380f5619434b7cae958be3d6c1eda94e102e0779a1d4760b26216&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+1" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 102 | Rahul | 21 | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=52cc3a12a53e6424146e396ee3cde77341f3881ca880794f68c62e737785b6e1&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+2" \o "Mathematics) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 104 | Sneha | 20 | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=eb1f8c13d4ed528cf1dd6d49d741e6f636e9c4e0580d3cfb996cd400bc686239&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+3" \o "Physics) |  |  |  |  |

**6 Insert**

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+course_name,+department_id+FROM+courses++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=9231e04861479a245b008d8e7ff9ab4df7e6c6c10fb31d3161fa8f5616acde66&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+course_name,+department_id+FROM+courses++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=096990ae63c38a2d7f5d5936ac21c8eb13e887de40fe7a477f7d2c5f9ca29210&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BCA | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | MCA | [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=32690c6fe97fcef650e7425cd963bd5bae9d7941d35387b0d068d3115e095562&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+102" \o "IT) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) |  |  |  |  |

**7 Where**

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **course\_id** | **course\_name** | **department\_id** | **student\_id** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1004 |  |  |  |  |

**8 Like**

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+WHERE+course_name+LIKE+'B%'++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=8998bc0c27dc8ca04e008b0562273311007e394e61ff1db6c23cdac2c7a9055e&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+WHERE+course_name+LIKE+'B%'++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=472e3ad3c32f4fd4cbe350de9ddf8fd1f4016b943bc10854248c98d35ba127e8&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+WHERE+course_name+LIKE+'B%'++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=8b6d2c095a7ad367f1a81ac08f72a738ace05ca64914601d6c47b63d8ca0b71a&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+WHERE+course_name+LIKE+'B%'++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=39befa86ac227bc5f8fc43c6a2efaf684cce23fe29f81d50e706f740a9ac4875&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | BCA | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) | 1001 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 1003 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1004 |  |  |  |  |

**9 Group by**

| **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+department_id,+COUNT(*)+AS+total_courses%0D%0AFROM+courses%0D%0AGROUP+BY+department_id++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=84337ec870c1a611193467401d1102129be7fb24b80357181fd0a96368a22d75&session_max_rows=25&is_browse_distinct=0)** | **[total\_courses](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+department_id,+COUNT(*)+AS+total_courses%0D%0AFROM+courses%0D%0AGROUP+BY+department_id++%0AORDER+BY+`total_courses`+ASC&sql_signature=c46c732112468c34d5b0b4ec9657ca7d8c8f7528346cf2f1555cddd882f11e52&session_max_rows=25&is_browse_distinct=0)** |  |
| --- | --- | --- |
| [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) | 1 |  |
| [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=32690c6fe97fcef650e7425cd963bd5bae9d7941d35387b0d068d3115e095562&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+102" \o "IT) | 1 |  |
| [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 1 |  |
| [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1 |  |

### GROUP BY course\_name (Alag course kitni baar repeat hua)

| **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+course_name,+COUNT(*)+AS+count_of_course%0D%0AFROM+courses%0D%0AGROUP+BY+course_name++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=05ed2b14df399a22f4acc89a88d5878a6526651ced511151d5c3f5fd486c351b&session_max_rows=25&is_browse_distinct=0)** | **[count\_of\_course](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+course_name,+COUNT(*)+AS+count_of_course%0D%0AFROM+courses%0D%0AGROUP+BY+course_name++%0AORDER+BY+`count_of_course`+ASC&sql_signature=128b31b9ff200722569209697e2426a1dedccac618ce0f9e9ded4007230a3200&session_max_rows=25&is_browse_distinct=0)** |  |
| --- | --- | --- |
| B.Sc IT | 1 |  |
| BBA | 1 |  |
| BCA | 1 |  |
| MCA | 1 |  |

HAVING

| **department\_id** | **total\_courses** |  |
| --- | --- | --- |
| [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 3 |  |

LIMIT,

|  | | | | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`course_id`+ASC+LIMIT+2&sql_signature=0e1a6f3c92be847d2420f66a485c99afa39c68a8f7394cb4e12b517db22b8f93&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`course_name`+ASC+LIMIT+2&sql_signature=f97aa219ea6c034c8c524904c2ce5f3e675c7b20e88830ea9254aa15aec2161a&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`department_id`+ASC+LIMIT+2&sql_signature=647cccd7e7e6b93340775d2786a2f405f740fb78a1815e4bfddeff81cc38215c&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`student_id`+ASC+LIMIT+2&sql_signature=6020993b87a91aefa7a8e1d91e3dba7de7337559c1ca16a2a1720923b5cfae67&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | BCA | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) | 1001 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | MCA | [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=32690c6fe97fcef650e7425cd963bd5bae9d7941d35387b0d068d3115e095562&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+102" \o "IT) | 1002 |  |  |  |  |

Offset

| **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`course_id`+ASC+LIMIT+2+OFFSET+2&sql_signature=ddaf2e5774fd81c9a58b64532754438912e27c3ac074733a9e1adf9de3c157b4&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`course_name`+ASC+LIMIT+2+OFFSET+2&sql_signature=dfbdc2a0e9059cec2d78749de1a4fd4282d3c1aa319a081175d5d8f36aacdf88&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`department_id`+ASC+LIMIT+2+OFFSET+2&sql_signature=b46b24d923f53dbac24eee8c7a7e244fb8365add7300a9a16b5cb250eeeccea5&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses+%0AORDER+BY+`courses`.`student_id`+ASC+LIMIT+2+OFFSET+2&sql_signature=37a75e1343d2be97885630250853693a1a751e030c6c67776deb51cdc1b55707&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 1003 |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1004 |

AND

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **course\_id** | **course\_name** | **department\_id** | **student\_id** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1004 |  |  |  |  |

OR

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+=+104+OR+department_id+=+103++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=a23e3c22f59c4d5730d3b6fc031721e1a303b0f303ec99c4735b4a767efb00f6&session_max_rows=25&is_browse_distinct=0)** | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+=+104+OR+department_id+=+103++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=2af11d4f8ad1eed7ed9eab55f1777e05e4451c35754e96c3610fe06154dc4a58&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+=+104+OR+department_id+=+103++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=46fbc3e426b3ee4598895922c019ca1dcf92e2a950fb4d2703c07538f270bbbb&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+=+104+OR+department_id+=+103++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=5e1272e9e89df9b17a8b43063924c0c2828df8c1c914e2cbaaf25b738b633f10&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 1003 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 1004 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 5 | MBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | *NULL* |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 6 | PGDCA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | *NULL* |  |  |  |  |

NOT

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_name IMG_257 1](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+NOT+department_id+=+104++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=99302be0c8338b1a70574a238789744457d2b8f75233172ce457a16d2c786ce1&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+NOT+department_id+=+104++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=7dd0b7be3ad4ee8b3a46ef25a7d944c66253d3f4ffabcd8a9b2f4c9f0e1927db&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+NOT+department_id+=+104++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=a42c9fbb5a22a766c3c3908cb9a032e3adc8e8dc180f9336c51c5785903676f9&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+NOT+department_id+=+104++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=f99af4351b2bfe4f8b0c6ca80b141144f9ff92676246a9c278284199d2eb02a2&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | MCA | [102](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=32690c6fe97fcef650e7425cd963bd5bae9d7941d35387b0d068d3115e095562&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+102" \o "IT) | 2 | 1002 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BCA | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) | 1 | 1001 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 3 | 1003 |  |  |  |  |

IN

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(101,+104)++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=571ee25eb12d9ba51cb48e099dabb218de0e0e715f05d4c957ebbbfd0e0adb30&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(101,+104)++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=11907fd88ffdc7b458ff9ad7badc42eef638d2150c160ce89c23a6a649a15bec&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(101,+104)++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=f3c617dc7041ef3cd87bc9a7d06719503fc28fe91e53ddd19f1e3e8ac73f3c8d&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(101,+104)++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=db7fb6150477c217b2cfc85b02ed47d5a14d4a2b5da1111c9336644121c6e77c&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BCA | [101](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=865201618c4fd0d6f7d6afa441a73a8b1c031d8cada98fd0ee8c7c2918d26ab5&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+101" \o "Computer Science) | 1 | 1001 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 4 | 1004 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | MBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 5 | *NULL* |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | PGDCA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 6 | *NULL* |  |  |  |  |

NOT IN

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+NOT+IN+(101,+102)++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=1f50422a6423c5247dcbfe56b64b269085b11226f47d41c27e909881dc04d5a3&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+NOT+IN+(101,+102)++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=561cb1c4ec70ce2432f49e9570a8aec45a9ac2120b75ff7d16be0da5b689bbcc&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+NOT+IN+(101,+102)++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=d6cf425dc9b6370745f8da7ba296aee0f3c5c45873b29991ca169f1965c1aabe&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+NOT+IN+(101,+102)++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=d6176a21305a578d85fc07a291249a6e050273a9dd5c3ebcfc0839623f2fbfd3&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | B.Sc IT | [103](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=952a3746284470aa2d4c2573bf1e75832bd81a0ccd835d550adf4390d0576b32&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+103" \o "Information Science) | 3 | 1003 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 4 | 1004 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | MBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 5 | *NULL* |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | PGDCA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 6 | *NULL* |  |  |  |  |

SUBQUARY

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | **[course\_name](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(%0D%0A++SELECT+department_id%0D%0A++FROM+courses%0D%0A++GROUP+BY+department_id%0D%0A++HAVING+COUNT(*)+>+1%0D%0A)++%0AORDER+BY+`courses`.`course_name`+ASC&sql_signature=3ea9ffb358f7f3752018324e5e359e4fcb0d501ff4fb50af03c9e0b1d67761b9&session_max_rows=25&is_browse_distinct=0)** | **[department\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(%0D%0A++SELECT+department_id%0D%0A++FROM+courses%0D%0A++GROUP+BY+department_id%0D%0A++HAVING+COUNT(*)+>+1%0D%0A)++%0AORDER+BY+`courses`.`department_id`+ASC&sql_signature=2a701ccabb181617eed64f59fa5c6c07ef93ed61b105b497394191926b1a5eea&session_max_rows=25&is_browse_distinct=0)** | **[course\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(%0D%0A++SELECT+department_id%0D%0A++FROM+courses%0D%0A++GROUP+BY+department_id%0D%0A++HAVING+COUNT(*)+>+1%0D%0A)++%0AORDER+BY+`courses`.`course_id`+ASC&sql_signature=28b034e687cf27e2c6930e553c2eb5e0612c52ef86ffe3917277227697549b0d&session_max_rows=25&is_browse_distinct=0)** | **[student\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=courses&sql_query=SELECT+*+FROM+courses%0D%0AWHERE+department_id+IN+(%0D%0A++SELECT+department_id%0D%0A++FROM+courses%0D%0A++GROUP+BY+department_id%0D%0A++HAVING+COUNT(*)+>+1%0D%0A)++%0AORDER+BY+`courses`.`student_id`+ASC&sql_signature=ed6e00479696515dbed78092e17ebad20243d44a7fea1a88a0d157774f1e6f2a&session_max_rows=25&is_browse_distinct=0)** |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | BBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 4 | 1004 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | MBA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 5 | *NULL* |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | PGDCA | [104](http://localhost/phpmyadmin/index.php?route=/sql&db=college_db&table=departments&pos=0&sql_signature=251525f55d13a9c2f0ada6438d09bcf9103c6678da5fcca94266b98d77901930&sql_query=SELECT+*+FROM+`college_db`.`departments`+WHERE+`department_id`+=+104" \o "Business Administration) | 6 | *NULL* |  |  |  |  |