**📘 MySQL Casting Notes with Example**

**✅ Step 1: Create Database**

CREATE DATABASE student\_casting;

USE student\_casting;

**✅ Step 2: Create Table**

CREATE TABLE students (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(50),

marks VARCHAR(10), -- String type me marks

admission\_date VARCHAR(20) -- String type me date

);

**✅ Step 3: Insert Data**

INSERT INTO students (name, marks, admission\_date) VALUES

('Aakash', '85', '2024-06-01'),

('Bhavna', '92', '2024-06-02'),

('Chetan', '75.5', '2024-06-03'),

('Divya', '66.75', '2024-06-04'),

('Ekta', '90', '2024-06-05');

**🎯 Step 4: CASTING Queries**

**🔸 1. String to Number**

SELECT name, marks, CAST(marks AS UNSIGNED) AS marks\_number FROM students;

**🔸 2. String to Decimal**

SELECT name, marks, CAST(marks AS DECIMAL(5,2)) AS decimal\_marks FROM students;

**🔸 3. String to Date**

SELECT name, admission\_date, CAST(admission\_date AS DATE) AS proper\_date FROM students;

**🔸 4. Add 10 to Marks (After Casting)**

SELECT name, CAST(marks AS UNSIGNED) + 10 AS updated\_marks FROM students;

**🔸 5. Show Topper Students (90+)**

SELECT name, CAST(marks AS UNSIGNED) AS real\_marks

FROM students

WHERE CAST(marks AS UNSIGNED) >= 90;

**📌 Extra Tip: CONVERT() bhi same kaam karta hai**

SELECT name, CONVERT(marks, DECIMAL(5,2)) AS converted\_marks FROM students;

**✍️ Use of Casting in MySQL**

* String ko number/date banane ke liye
* Accurate comparison and sorting
* Arithmetic operations karne ke liye
* Formatted output show karne ke liye

Bhai tu ise copy karke class notes, assignment ya practical file me direct use kar sakta hai.

Agar chaahe to bol — isko **PDF** ya **Word File** format me bhi export karke de dunga.