**Mongo DB**

We can store data in the form of key-value pairs ie JSON.

Value can be number, string , Boolean, object, array of objects.

SID(PK), SName, age, SkillSet

1, John, 23, C,CC++,Java

Student

PK

1 John 21

SkillSet

PK

100 Java

101 C

102 C++

StudentSkilSet

FK FK

SrNo Sid SkillSetId

111 1 100

222 1 101

333 1 102

**In Mongo DB inside one collection we can store more than one document and each document value can be number, string, array values.**

**Please connect mongo db**

**use mearn\_2025\_batch;**

**db.Students.insertMany([**

**{\_id:1,sname:"John",age:21,skillset:["Java","C","C++"]},**

**{\_id:2,sname:"Neena",age:22,skillset:["Python","C","C++"]},**

**{\_id:3,sname:"Raj",age:23,skillset:["HTML","CSS","JavaScript"]},**

**{\_id:4,sname:"Steven",age:24,skillset:["Angular","ReactJS"]}**

**]);**

**db.Students.find();**

**search document details with array value conditions.**

**db.Students.find({skillset:"C"});**

**Adding new value to array fields.**

**$push operator we need to use.**

**db.Students.updateMany({sname:"John"},{$push:{skillset:"React JS"}});**

**$addToSet operator we need to use. It add only it not exits.**

**db.Students.updateMany({sname:"John"},{$addToSet:{skillset:"React JS"}});**

**remove particular skillset**

**db.Students.updateMany({sname:"John"},{$pull:{skillset:"React JS"}});**

**Mongo Db Relationship**

Mongo DB we can achieve relationship using 2 ways.

1. Embedded style: we are storing all information in single collection.
2. Linking style: we are storing all information more than one collection.

Trainer and Student relationship in RDBMS

Trainer (TID🡪PK),tname,etc

Student(SID—PK),SName,age,tid(FK) etc

Tech(TID🡪pk), TechName etc

TrainerTech () this table maintain the relationship

Linking Style