**CRUD OPERATIONS FOR PERSONAL PORTFOLIO PROJECT**

### 1. skills Collection

**Create:**

{  
 name: "JavaScript",  
 level: "Advanced",  
 yearsOfExperience: 3  
}

**Read:**

db.skills.find({ level: "Advanced" })

**Update:**

db.skills.updateOne({ name: "JavaScript" }, { $set: { level: "Expert" } })

**Delete:**

db.skills.deleteOne({ name: "JavaScript" })

### 2. education Collection

**Create:**

{  
 institution: "ABC University",  
 degree: "B.Sc",  
 field: "Computer Science",  
 startYear: 2018,  
 endYear: 2021,  
 gpa: 3.7  
}

**Read:**

db.education.find({ institution: /ABC/ })

**Update:**

db.education.updateOne({ degree: "B.Sc" }, { $set: { gpa: 3.8 } })

**Delete:**

db.education.deleteOne({ institution: "ABC University" })

### 3. projects Collection

**Create:**

{  
 title: "Portfolio Website",  
 description: "A responsive personal website",  
 technologies: ["HTML", "CSS", "MongoDB"],  
 githubUrl: "https://github.com/user/portfolio"  
}

**Read:**

db.projects.find({ technologies: "MongoDB" })

**Update:**

db.projects.updateOne({ title: "Portfolio Website" }, { $set: { title: "My Portfolio" } })

**Delete:**

db.projects.deleteOne({ title: "My Portfolio" })

### 4. contacts Collection

**Create:**

{  
 name: "John Doe",  
 email: "john@example.com",  
 message: "Hello, this is a test message.",  
 submittedAt: new Date()  
}

**Read:**

db.contacts.find({ email: /@example.com/ })

**Update:**

db.contacts.updateOne({ name: "John Doe" }, { $set: { name: "Johnny Doe" } })

**Delete:**

db.contacts.deleteOne({ email: "john@example.com" })

**Note:** All operations are run inside MongoDB Atlas or locally using mongosh.