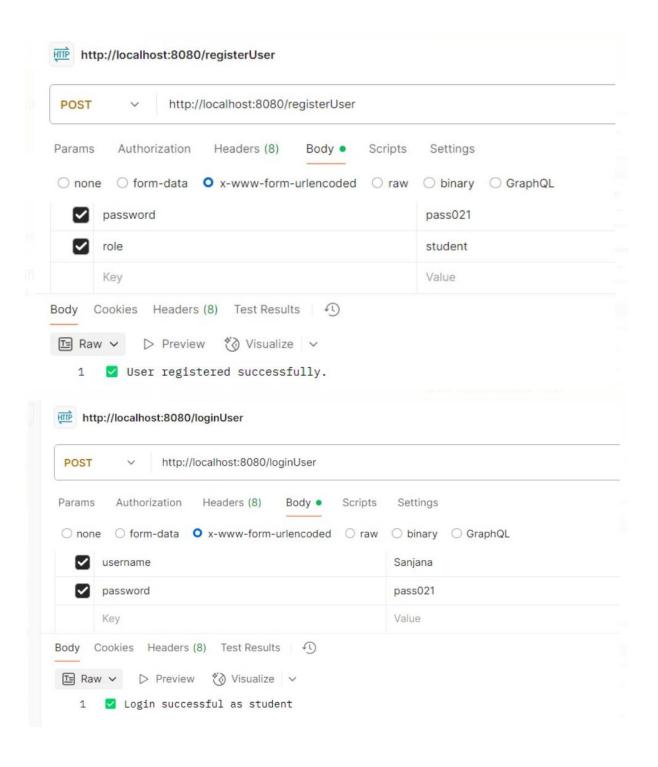
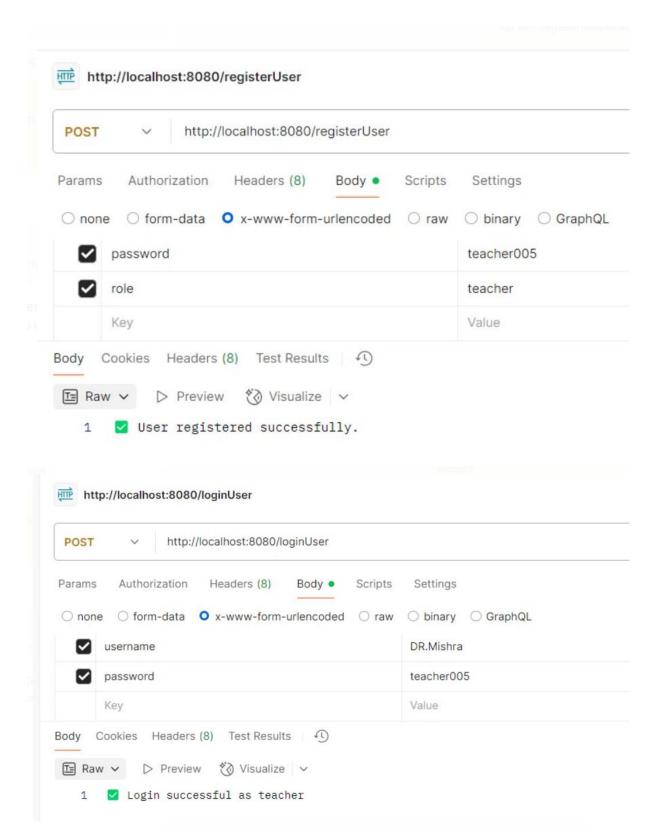
ogin		
anjana		Login
ogin successful		
Register		
anjana	•••••	student Register
Login		Login
Login  DR.Mishra  Login successfu	 I	Login
DR.Mishra		Login





```
{
 _id: ObjectId('685104d585990a4f26bf0c7d'),
 username: 'teacher01',
 password: '1234',
 role: 'teacher'
}
{
 _id: ObjectId('685109cf8bb13809bce3584f'),
 username: 'Sanjana',
 password: 'pass021',
 role: 'student'
}
{
 _id: ObjectId('68510a5d8bb13809bce35852'),
 username: 'DR.Mishra',
 password: 'teacher005',
 role: 'teacher'
```

```
>_MONGOSH
> db.users.find().pretty()
< {
    _id: ObjectId('684c0b978ad6fdae1f7238d0'),
    username: 'Ankit Verma',
    password: 'pass001',
    role: 'student'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238d1'),
    username: 'Sanya Reddy',
    password: 'pass002',
    role: 'student'
  }
 {
   _id: ObjectId('684c0b978ad6fdae1f7238d2'),
    username: 'Karan Patel',
    password: 'pass003',
    role: 'student'
  }
 {
   _id: ObjectId('684c0b978ad6fdae1f7238d3'),
    username: 'Ritika Sharma',
    password: 'pass004',
    role: 'student'
  }
 {
    _id: ObjectId('684c0b978ad6fdae1f7238d4'),
    username: 'Naveen Kumar',
    password: 'pass005',
    role: 'student'
```

```
{
  _id: ObjectId('684c0b978ad6fdae1f7238d5'),
  username: 'Swati Jain',
  password: 'pass006',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238d6'),
  username: 'Raghav Yadav',
  password: 'pass007',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238d7'),
  username: 'Megha Kapoor',
  password: 'pass008',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238d8'),
  username: 'Siddharth Joshi',
  password: 'pass009',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238d9'),
  username: 'Pooja Iyer',
  password: 'pass010',
  role: 'student'
}
```

```
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238da'),
  username: 'Yashwant Rao',
  password: 'pass011',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238db'),
  username: 'Lavanya Nair',
  password: 'pass012',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238dc'),
  username: 'Deepak Singh',
  password: 'pass013',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238dd'),
  username: 'Anushka Paul',
  password: 'pass014',
  role: 'student'
}
{
  _id: ObjectId('684c0b978ad6fdae1f7238de'),
  username: 'Farhan Ali',
  password: 'pass015',
  role: 'student'
```

```
>_MONGOSH
    _id: ObjectId('684c0b978ad6fdae1f7238df'),
    username: 'Ishita Das',
    password: 'pass016',
    role: 'student'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238e0'),
    username: 'Manoj N',
    password: 'pass017',
    role: 'student'
  }
  {
    _id: ObjectId('684c0b978ad6fdae1f7238e1'),
    username: 'Renu Mishra',
    password: 'pass018',
    role: 'student'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238e2'),
    username: 'Akash Dey',
    password: 'pass019',
    role: 'student'
  }
  {
    _id: ObjectId('684c0b978ad6fdae1f7238e3'),
    username: 'Shreya Sen',
    password: 'pass020',
    role: 'student'
```

```
>_MONGOSH
   _id: ObjectId('684c0b978ad6fdae1f7238e4'),
    username: 'Dr. Ramesh Gupta',
    password: 'teach001',
    role: 'teacher'
 }
  {
    _id: ObjectId('684c0b978ad6fdae1f7238e5'),
    username: 'Ms. Neha Sharma',
    password: 'teach002',
    role: 'teacher'
 }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238e6'),
    username: 'Mr. Ajay Verma',
    password: 'teach003',
    role: 'teacher'
 }
  {
    _id: ObjectId('684c0b978ad6fdae1f7238e7'),
    username: 'Dr. Anjali Rao',
    password: 'teach004',
    role: 'teacher'
  }
  {
    _id: ObjectId('684c0b978ad6fdae1f7238e8'),
    username: 'Mr. Kiran Desai',
    password: 'teach005',
    role: 'teacher'
```

```
>_MONGOSH
  {
   _id: ObjectId('684c0b978ad6fdae1f7238e9'),
    username: 'Ms. Priya Sen',
    password: 'teach006',
    role: 'teacher'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238ea'),
   username: 'Dr. Suresh Iyer',
    password: 'teach007',
    role: 'teacher'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238eb'),
    username: 'Ms. Anu Thomas',
    password: 'teach008',
    role: 'teacher'
   _id: ObjectId('684c0b978ad6fdae1f7238ec'),
    username: 'Mr. Arjun Mehta',
    password: 'teach009',
    role: 'teacher'
  }
  {
   _id: ObjectId('684c0b978ad6fdae1f7238ed'),
    username: 'Dr. Preeti Yadav',
   password: 'teach010',
    role: 'teacher'
```

# **Student Management Portal**

#### **Add Student**

srinu	
BTEC	H024
IT	
2	
srinu@	gmail.com
Add	

## **Update Student Email**

Roll Num	ber
New Ema	ail
Update	

#### **Delete Student**

Roll Nun	nber
Delete	

#### Search Student

Roll Num	ber
Name	
Search	

#### **View All Students**

View All

```
},
    "id": "685117358e213f05ffec58cc",
    "name": "sita",
"rollNumber": "BTECH023",
    "branch": "ME",
    "year": 4,
    "email": "sita@gmail.com",
    "marks": null
  },
    "id": "68511998762b8556b7c8ca36",
    "name": "srinu",
    "rollNumber": "BTECH024",
    "branch": "IT",
    "year": 2,
    "email": "srinu@gmail.com",
"marks": null
  }
]
```

```
> db.BTECHstudent.find().pretty()
{
   _id: ObjectId('685101d695ece073febadf76'),
   name: 'akshaya',
   rollNumber: 'Btech220',
   branch: 'ME',
   year: 2,
   email: 'akshaya@gmail.com',
   marks: {},
   _class: 'com.example.studentmanagement.Student'
 }
 {
   _id: ObjectId('6851039695ece073febadf77'),
   name: 'John Doe',
   rollNumber: '123456',
   branch: 'CSE',
   year: 2,
   email: 'john@gmail.com',
   _class: 'com.example.studentmanagement.Student'
 }
 {
   _id: ObjectId('685112228bb13809bce35854'),
   name: 'radha',
   rollNumber: 'BTECH022',
   branch: 'cse',
   email: 'radha@gmail.com',
   _class: 'com.example.studentmanagement.Student'
 }
 {
```

```
>_MONGOSH
    _id: ObjectId('6851133b8bb13809bce35855'),
    name: 'Ankit Varma',
    rollNumber: 'BTECH001',
    branch: 'CSE',
    year: 1,
    email: 'Ankit@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
    _id: ObjectId('685113628bb13809bce35856'),
    name: 'Sanya Reddy',
    rollNumber: 'BTECH002',
    branch: 'ECE',
    year: 1,
    email: 'Sanya@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
    _id: ObjectId('685113948bb13809bce35857'),
    name: 'Karan patel',
    rollNumber: 'BTECH003',
    branch: 'EEE',
    year: 2,
    email: 'Karan@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
    _id: ObjectId('685114098bb13809bce35858'),
    name: 'Rithika Sharma',
    rollNumber: 'BTECH004',
    branch: 'CSE',
    year: 2,
    email: 'Rithika@gmail.com',
```

#### >\_MONGOSH

```
_id: ObjectId('685114568bb13809bce3585a'),
  name: 'Naveen Kumar',
  rollNumber: 'BTECH005',
  branch: 'ME',
 year: 3,
  email: 'Naveen@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
 _id: ObjectId('685114568bb13809bce3585b'),
  name: 'Naveen Kumar',
  rollNumber: 'BTECH005',
 branch: 'ME',
 year: 3,
  email: 'Naveen@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
 _id: ObjectId('685114568bb13809bce3585c'),
  name: 'Naveen Kumar',
  rollNumber: 'BTECH005',
 branch: 'ME',
 year: 3,
  email: 'Naveen@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
 _id: ObjectId('685114828bb13809bce3585d'),
  name: 'Swathi Jain',
  rollNumber: 'BTECH006',
  branch: 'Cse',
 year: 3,
 email: 'swathi@gmail.com',
```

```
>_MONGOSH
    _10: ODJectid(.002114920D1390ADC632926.),
    name: 'Raghav yadav',
    rollNumber: 'BTECH007',
    branch: 'Civil',
    year: 2,
    email: 'ragahav@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
   _id: ObjectId('685114d08bb13809bce3585f'),
    name: 'Megha Kapoor',
    rollNumber: 'BTECH008',
    branch: 'IT',
    year: 4,
    email: 'megha@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
   _id: ObjectId('685114f58bb13809bce35860'),
    name: 'Siddharth Joshi',
    rollNumber: 'BTECH009',
    branch: 'ECE',
   year: 1,
    email: 'siddharth@gmail.com',
    _class: 'com.example.studentmanagement.Student'
  }
  {
    _id: ObjectId('685115278bb13809bce35861'),
    name: 'Pooja Iyer',
    rollNumber: 'BTECH010',
    branch: 'cse',
   year: 1,
    email: 'pooja@gmail.com',
```

#### >\_MONGOSH

```
_id: ObjectId('685115468bb13809bce35862'),
  name: 'Yashwanth rao',
  rollNumber: 'BTECH011',
  branch: 'ME',
  year: 2,
  email: 'yaswanth@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
  _id: ObjectId('685115628bb13809bce35863'),
  name: 'Lavanya Nair',
  rollNumber: 'BTECH012',
  branch: 'IT',
  year: 2,
  email: 'lavanya@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
  _id: ObjectId('685115948bb13809bce35864'),
  name: 'Deepak Singh',
  rollNumber: 'BTECH013',
  branch: 'EEE',
  year: 3,
  email: 'deepak@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
  _id: ObjectId('685115b38bb13809bce35865'),
  name: 'Anushka Paul',
  rollNumber: 'BTECH014',
  branch: 'ECE',
  year: 3,
  email: 'anushka@gmail.com',
```

```
_id: ObjectId('685115d38bb13809bce35866'),
  name: 'Farhan Ali',
  rollNumber: 'BTECH015',
 branch: 'civil',
 year: 2,
  email: 'farhan@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
{
 _id: ObjectId('685115f38bb13809bce35867'),
 name: 'Ishitha Das',
 rollNumber: 'BTECH016',
 branch: 'cse',
 year: 4,
  email: 'ishitha@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
{
 _id: ObjectId('6851160f8bb13809bce35868'),
  name: 'Manoj N',
  rollNumber: 'BTECH017',
 branch: 'IT',
 year: 3,
  email: 'manoj@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
{
 _id: ObjectId('685116248bb13809bce35869'),
 name: 'Renu Mishra',
  rollNumber: 'BTECH018',
  branch: 'IT',
 year: 2,
  email: 'renu@gmail.com',
```

```
{
 _id: ObjectId('685116408bb13809bce3586a'),
  name: 'Akash',
  rollNumber: 'BTECH019',
  branch: 'cse',
  year: 1,
  email: 'akash@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
 _id: ObjectId('685116688bb13809bce3586b'),
  name: 'Shreya',
  rollNumber: 'BTECH020',
  branch: 'ME',
  year: 2,
  email: 'shreya@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
   id: ObjectId('685117348e213f05ffec58cb'),
```

```
{
 _id: ObjectId('685117358e213f05ffec58cc'),
 name: 'sita',
  rollNumber: 'BTECH023',
 branch: 'ME',
 year: 4,
 email: 'sita@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
{
 _id: ObjectId('68511998762b8556b7c8ca36'),
 name: 'srinu',
  rollNumber: 'BTECH024',
 branch: 'IT',
 year: 2,
  email: 'srinu@gmail.com',
 _class: 'com.example.studentmanagement.Student'
}
```

## **Update Student Email**



#### **Delete Student**



### Search Student

Roll Number
Name
Search

## **View All Students**

View All

Email updated

```
_id: ObjectId('685116248bb13809bce35869'),
name: 'Renu Mishra',
rollNumber: 'BTECH018',
branch: 'IT',
year: 2,
email: 'renumishra@gmail.com',
_class: 'com.example.studentmanagement.Student'
}
{
```

#### **Delete Student**

BTECH020

Delete

#### Search Student

Roll Number
Name
Search

#### View All Students

View All

Student deleted







```
{
 _id: ObjectId('685116408bb13809bce3586a'),
  name: 'Akash',
  rollNumber: 'BTECH019',
  branch: 'cse',
  year: 1,
  email: 'akash@gmail.com',
  _class: 'com.example.studentmanagement.Student'
}
{
  _id: ObjectId('685117348e213f05ffec58cb'),
  name: 'sita',
  rollNumber: 'BTECH023',
  branch: 'ME',
  year: 4,
  email: 'sita@gmail.com',
  _class: 'com.example.studentmanagement.Student'
```

### **Search Student**

BTECH001
Ankit Varma
Search

#### **View All Students**

```
View All

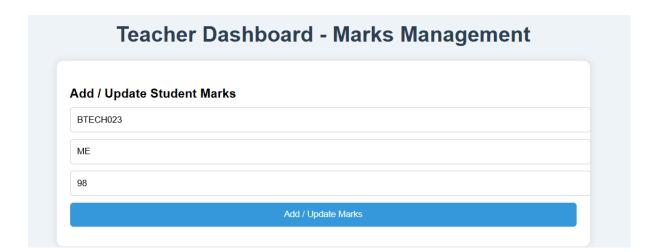
[
    "id": "6851133b8bb13809bce35855",
    "name": "Ankit Varma",
    "rollNumber": "BTECH001",
    "branch": "CSE",
    "year": 1,
    "email": "Ankit@gmail.com",
    "marks": null
}
```

```
> db.Teachers.find()
< {
   _id: ObjectId('684afd320986e0f910627bee'),
   emp_id: 'EMP001',
   name: 'Dr. Ramesh',
   department: 'CSE',
   subject: 'Data Structures',
   contact: '9876100001',
   email: 'rsharma@college.edu',
   address: 'Delhi'
 }
 {
   _id: ObjectId('684afd320986e0f910627bef'),
   emp_id: 'EMP002',
   name: 'Prof. Neha Kapoor',
   department: 'ECE',
   subject: 'Digital Electronics',
   contact: '9876100002',
   email: 'nkapoor@college.edu',
   address: 'Chandigarh'
   _id: ObjectId('684afd320986e0f910627bf0'),
   emp_id: 'EMP003',
   name: 'Dr. Sunil Kumar',
   department: 'ME',
   subject: 'Thermodynamics',
   contact: '9876100003',
   email: 'skumar@college.edu',
   address: 'Bangalore'
```

```
{
  _id: ObjectId('684afd320986e0f910627bf1'),
  emp_id: 'EMP004',
  name: 'Prof. Ankita',
  department: 'CSE',
  subject: 'Operating Systems',
  contact: '9876100004',
  email: 'ajoshi@college.edu',
  address: 'Pune'
}
{
  _id: ObjectId('684afd320986e0f910627bf2'),
  emp_id: 'EMP005',
  name: 'Dr. Vivek Sinha',
  department: 'EEE',
  subject: 'Power Systems',
  contact: '9876100005',
  email: 'vsinha@college.edu',
  address: 'Lucknow'
}
  _id: ObjectId('684afd320986e0f910627bf3'),
  emp_id: 'EMP006',
  name: 'Prof. Meenakshi',
  department: 'CIVIL',
  subject: 'Structural Engineering',
  contact: '9876100006',
  email: 'mdesai@college.edu',
  address: 'Ahmedabad'
```

```
{
 _id: ObjectId('684afd320986e0f910627bf4'),
  emp_id: 'EMP007',
 name: 'Dr. Rahul Verma',
 department: 'IT',
 subject: 'Web Development',
 contact: '9876100007',
 email: 'rverma@college.edu',
 address: 'Indore'
}
{
 _id: ObjectId('684afd320986e0f910627bf5'),
 emp_id: 'EMP008',
 name: 'Prof. Sneha Rao',
 department: 'ECE',
 subject: 'Control Systems',
 contact: '9876100008',
 email: 'srao@college.edu',
 address: 'Hyderabad'
```

```
{
 _id: ObjectId('684afd320986e0f910627bf6'),
  emp_id: 'EMP009',
 name: 'Dr. Ajay Mehta',
 department: 'ME',
 subject: 'Fluid Mechanics',
 contact: '9876100009',
  email: 'amehta@college.edu',
  address: 'Jaipur'
}
{
 _id: ObjectId('684afd320986e0f910627bf7'),
  emp_id: 'EMP010',
 name: 'Prof. Kavita Nair',
 department: 'CSE',
 subject: 'Machine Learning',
 contact: '9876100010',
  email: 'knair@college.edu',
  address: 'Kochi'
```



```
_id: ObjectId('6851430786aee464363ced1a'),
  rollNumber: 'BTECH001',
  subject: 'CSE',
  marks: 99,
  _class: 'com.example.studentmanagement.Mark'
}
{
  _id: ObjectId('6851431686aee464363ced1b'),
  rollNumber: 'BTECH002',
  subject: 'ECE',
  marks: 93,
  _class: 'com.example.studentmanagement.Mark'
}
  _id: ObjectId('6851432386aee464363ced1c'),
  rollNumber: 'BTECH003',
  subject: 'EEE',
  marks: 97,
  _class: 'com.example.studentmanagement.Mark'
}
{
  _id: ObjectId('6851433086aee464363ced1d'),
  rollNumber: 'BTECH004',
  subject: 'CSE',
  marks: 90,
  _class: 'com.example.studentmanagement.Mark'
}
  _id: ObjectId('6851433e86aee464363ced1e'),
  rollNumber: 'BTECH005',
  subject: 'ME',
  marks: 78,
```

```
>_MONGOSH
   _id: ObjectId('6851435086aee464363ced1f'),
   rollNumber: 'BTECH006',
   subject: 'CSE',
   marks: 90,
   _class: 'com.example.studentmanagement.Mark'
 }
 {
   _id: ObjectId('6851435f86aee464363ced20'),
   rollNumber: 'BTECH007',
   subject: 'Civil',
   marks: 98,
   _class: 'com.example.studentmanagement.Mark'
 }
   _id: ObjectId('6851436f86aee464363ced21'),
   rollNumber: 'BTECH008',
   subject: 'IT',
   marks: 93,
   _class: 'com.example.studentmanagement.Mark'
 }
 {
   _id: ObjectId('6851437d86aee464363ced22'),
   rollNumber: 'BTECH009',
   subject: 'ECE',
   marks: 93,
   _class: 'com.example.studentmanagement.Mark'
 }
   _id: ObjectId('6851438f86aee464363ced23'),
    rollNumber: 'BTECH010',
    subject: 'CSE',
   marks: 89,
    _class: 'com.example.studentmanagement.Mark'
```

```
>_MONGOSH
```

```
_id: ObjectId('6851439d86aee464363ced24'),
 rollNumber: 'BTECH011',
 subject: 'ME',
 marks: 76,
 _class: 'com.example.studentmanagement.Mark'
}
{
 _id: ObjectId('685143a886aee464363ced25'),
  rollNumber: 'BTECH012',
 subject: 'IT',
 marks: 72,
 _class: 'com.example.studentmanagement.Mark'
}
 _id: ObjectId('685143b986aee464363ced26'),
  rollNumber: 'BTECH013',
 subject: 'EEE',
 marks: 90,
 _class: 'com.example.studentmanagement.Mark'
 _id: ObjectId('685143ce86aee464363ced27'),
  rollNumber: 'BTECH014',
 subject: 'ECE',
 marks: 89,
 _class: 'com.example.studentmanagement.Mark'
}
 _id: ObjectId('685143df86aee464363ced28'),
  rollNumber: 'BTECH015',
 subject: 'Civil',
 marks: 76,
```

#### >\_MONGOSH

```
rollNumber: 'BTECH016',
   subject: 'CSE',
   marks: 97,
   _class: 'com.example.studentmanagement.Mark'
 }
 {
   _id: ObjectId('685143f986aee464363ced2a'),
   rollNumber: 'BTECH017',
   subject: 'IT',
   marks: 97,
   _class: 'com.example.studentmanagement.Mark'
 }
 {
   _id: ObjectId('6851440686aee464363ced2b'),
   rollNumber: 'BTECH018',
   subject: 'ECE',
   marks: 87,
   _class: 'com.example.studentmanagement.Mark'
 }
 {
   _id: ObjectId('6851441286aee464363ced2c'),
   rollNumber: 'BTECH019',
   subject: 'ME',
   marks: 89,
   _class: 'com.example.studentmanagement.Mark'
 Type "it" for more
> it
< {
   _id: ObjectId('6851443d86aee464363ced2d'),
   rollNumber: 'BTECH023',
   subject: 'ME',
   marks: 98.
```

View Marks
print [
rint   6851435086aee464363ced1f","rollNumber":"BTECH006","subject":"CSE","marks":90

Delete Student Marl	(S		
BTECH002			
ECE			
		Delete Marks	

```
{
  _id: ObjectId('6851430786aee464363ced1a'),
  rollNumber: 'BTECH001',
  subject: 'CSE',
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  marks: 90,
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}
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