

IT 3003 - Advanced Programming Techniques

Student Database App Mini project

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s16007

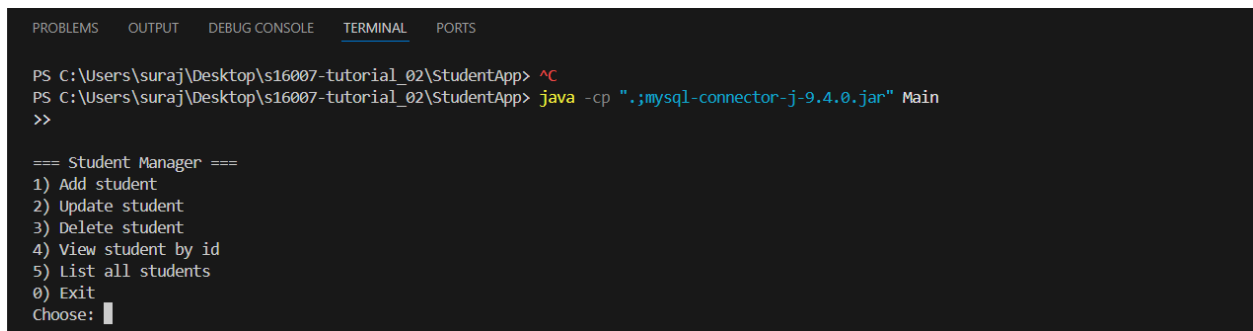
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Console-based Java application to manage students:

- Add student
- Update student
- Delete student
- View student by id
- List all students

Exit

Result



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\suraaj\Desktop\s16007-tutorial_02\StudentApp> ^C
PS C:\Users\suraaj\Desktop\s16007-tutorial_02\StudentApp> java -cp ".;mysql-connector-j-9.4.0.jar" Main
>>

=== Student Manager ===
1) Add student
2) Update student
3) Delete student
4) View student by id
5) List all students
0) Exit
Choose: █
```

Add Student

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
=== Student Manager ===
1) Add student
2) Update student
3) Delete student
4) View student by id
5) List all students
0) Exit
Choose: 1
Name: Suraj Wewita
Email: ssurajwewita@gmail.com
DOB (YYYY-MM-DD) or leave blank: 2001-09-27
Course: IT 3003
Added! New ID: 3
```

	id	name	email	dob	course	created_at
<input type="checkbox"/> Edit Copy Delete	3	Suraj Wewita	ssurajwewita@gmail.com	2001-09-27	IT 3003	2025-09-07 23:54:04

Update Student

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
=== Student Manager ===
1) Add student
2) Update student
3) Delete student
4) View student by id
5) List all students
0) Exit
Choose: 2
Enter student ID to update: 3
Leave blank to keep current value.
Name (Suraj Wewita): Suraj Stephen
Email (ssurajwewita@gmail.com): surajwewita@gmail.com
DOB (2001-09-27) YYYY-MM-DD:
Course (IT 3003):
Updated.
```

	id	name	email	dob	course	created_at
<input type="checkbox"/> Edit Copy Delete	3	Suraj Stephen	surajwewita@gmail.com	2001-09-27	IT 3003	2025-09-07 23:54:04

View Student by id

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS
=== Student Manager ===
1) Add student
2) Update student
3) Delete student
4) View student by id
5) List all students
0) Exit
Choose: 4
Enter ID: 3
ID: 3 | Name: Suraj Stephen | Email: surajwewita@gmail.com | DOB: 2001-09-27 | Course: IT 3003
```

List all Students

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS
=== Student Manager ===
1) Add student
2) Update student
3) Delete student
4) View student by id
5) List all students
0) Exit
Choose: 5
ID: 3 | Name: Suraj Stephen | Email: surajwewita@gmail.com | DOB: 2001-09-27 | Course: IT 3003
```