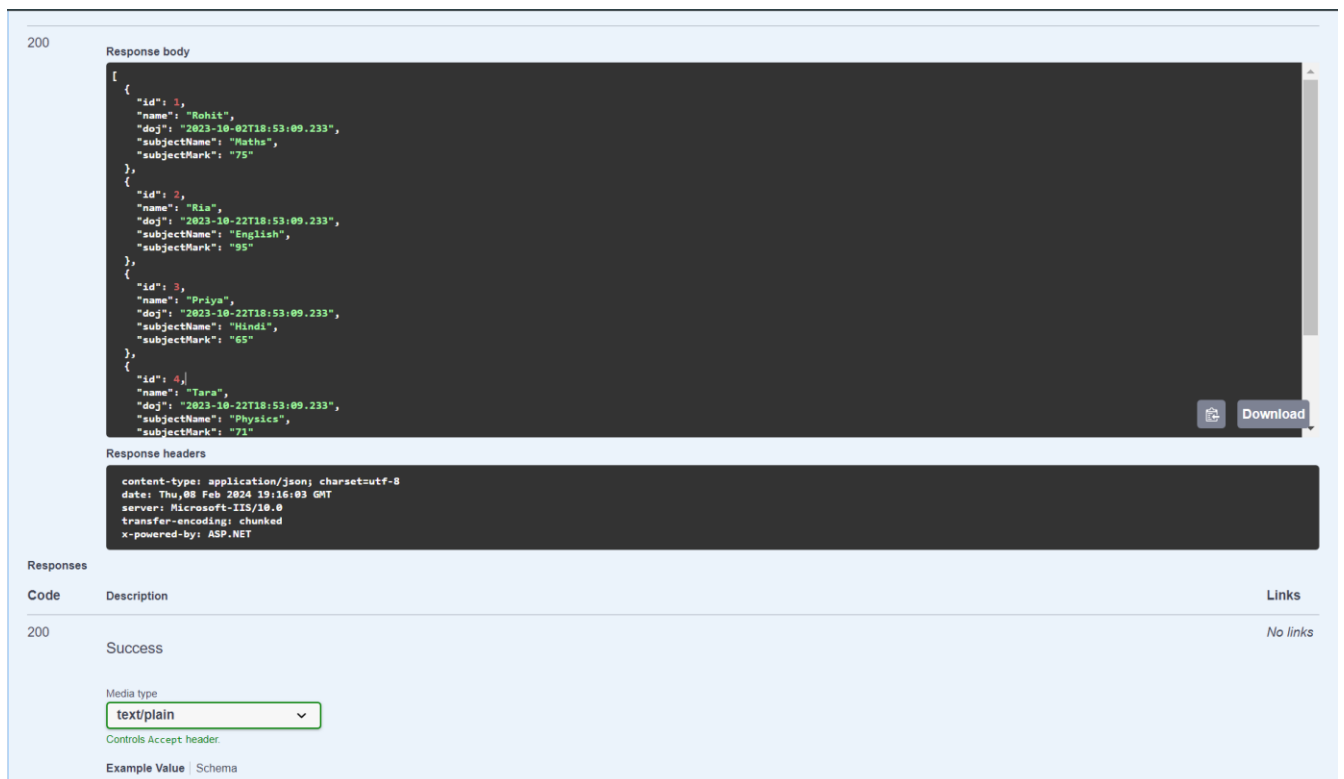
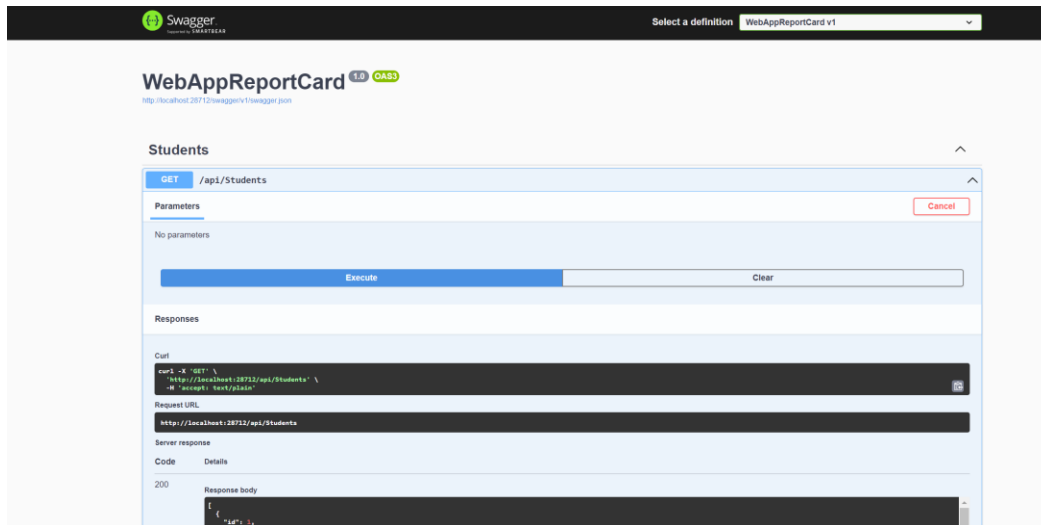


WEB API APPLICATION

<https://github.com/NavinKumar28/WEB-API-APP-STUDENT-MARKS-MANAGER>

SNAP OF GET STUDENT DATA OF ALL THE DATA CREATED ARE STORED IN DATABASE AS WELL

1; GET/VIEW



POST/ADD ANY DATA OF STUDENT CAN BE ADDED HERE IN THE APPLICATION:

POST

/api/Students

Parameters

Cancel

Reset

No parameters

Request body

application/json

```
{  "id": 0,  "name": "string",  "doj": "2024-02-08T19:26:20.580Z",  "subjectName": "string",  "subjectMark": "string"}}
```

Execute

Responses

Code	Description	Links
200	Success	No links

Media type

text/plain

Controls Accept header

Viewsource

Go to source

DATA TO BE ADDED IN THE GIVEN FORMAT IN APPLICATION;

Parameters

Cancel

Reset

No parameters

Request body

application/json

```
{  "id": 0,  "name": "RAJA",  "doj": "2023-12-18T19:26:20.580Z",  "subjectName": "BIOLOGY",  "subjectMark": "65"}}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  http://localhost:28712/api/Students \  -H 'accept: text/plain' \  -H 'Content-Type: application/json' \  -d '{  "id": 0,  "name": "RAJA",  "doj": "2023-12-18T19:26:20.580Z",  "subjectName": "BIOLOGY",  "subjectMark": "65"}'
```

Request URL

http://localhost:28712/api/Students

Server response

Server response

Code

Details

201

Undocumented

Response body

```
{  "id": 0,  "name": "RAJA",  "doj": "2023-12-18T19:26:20.58Z",  "subjectName": "BIOLOGY",  "subjectMark": "65"}}
```

Response headers

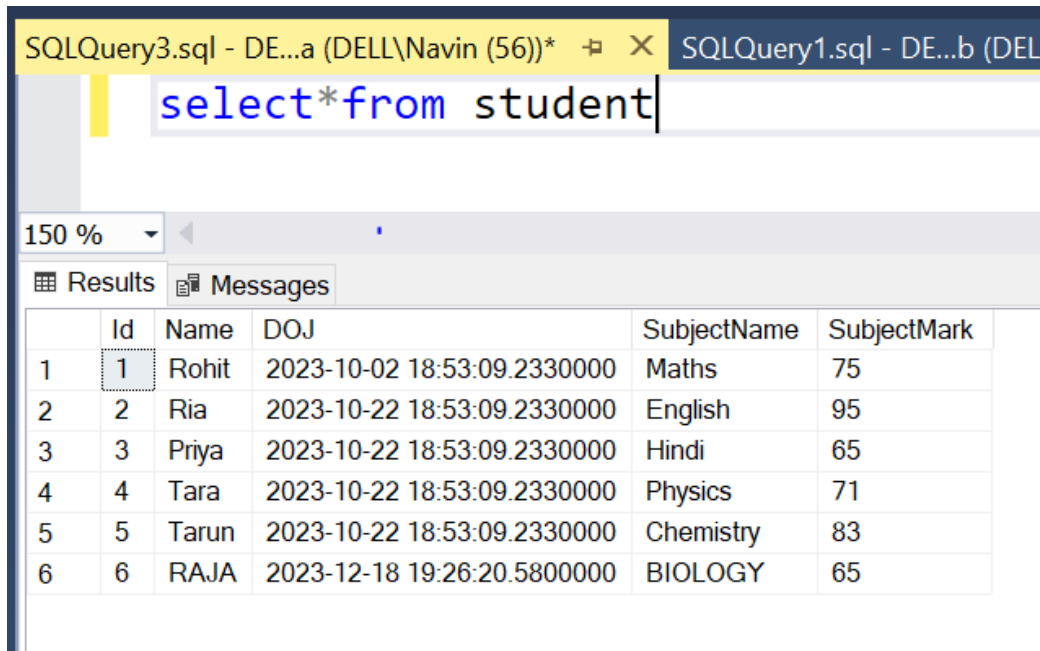
```
content-type: application/json; charset=utf-8  date: Thu, 08 Feb 2024 19:28:43 GMT  location: http://localhost:28712/api/Students/6  server: Microsoft-IIS/10.0  transfer-encoding: chunked  x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200		No links

SO ,WE CAN SEE ID =6 STUDENT HAS BEEN CREATED AND HIS NAME ,SUBJECTNAME,SUBJECTMARK IS ENTERED IN THE APPLICATION AND IT IS UPDATED IN THE DATABASE AT THE SAME TIME

SNAP OF DB;

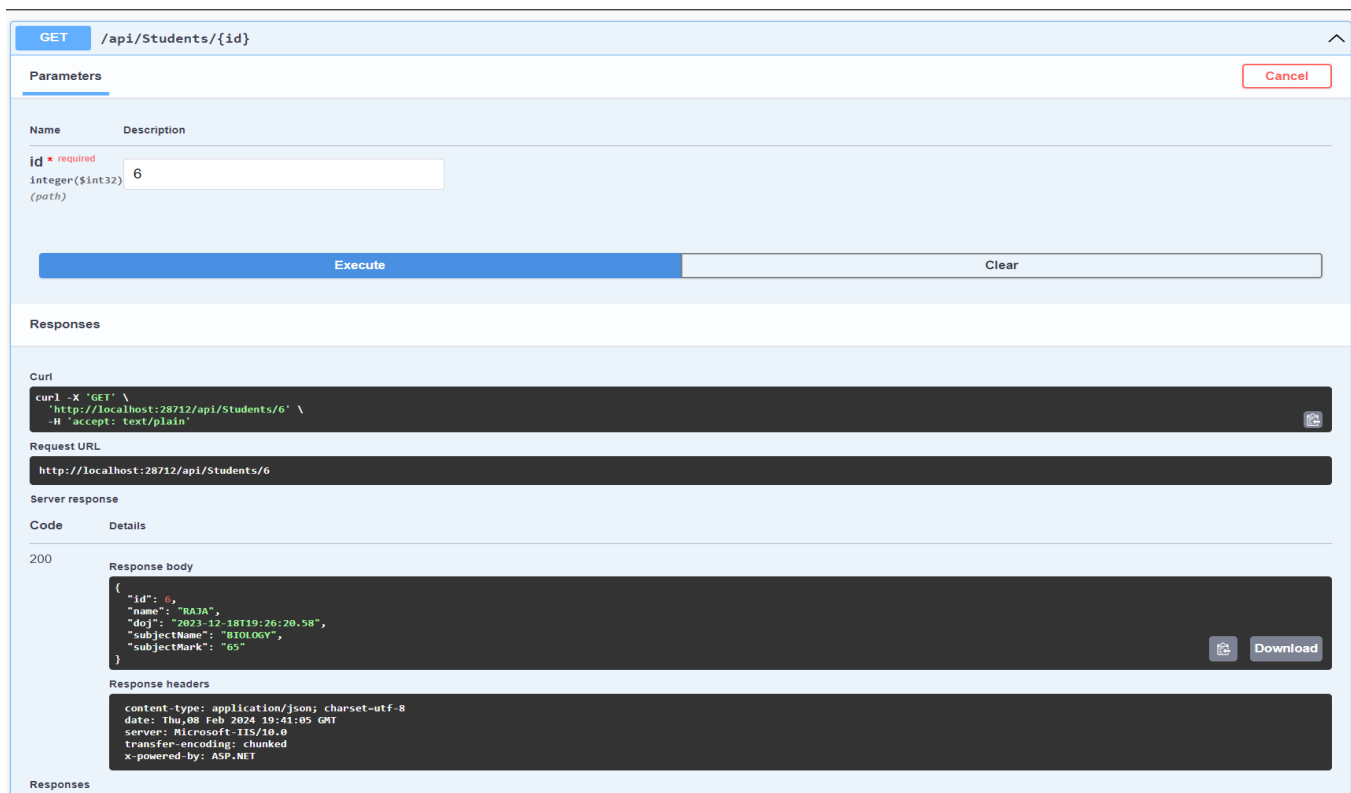


The screenshot shows a SQL Server Enterprise Manager interface. At the top, there are two tabs: 'SQLQuery3.sql - DE...a (DELL\Navin (56))*' and 'SQLQuery1.sql - DE...b (DE...'. The active query window contains the text 'select * from student'. Below the query window, there is a 'Results' tab selected, displaying a table with 6 rows and 6 columns: 'Id', 'Name', 'DOJ', 'SubjectName', and 'SubjectMark'. The data is as follows:

	Id	Name	DOJ	SubjectName	SubjectMark
1	1	Rohit	2023-10-02 18:53:09.2330000	Maths	75
2	2	Ria	2023-10-22 18:53:09.2330000	English	95
3	3	Priya	2023-10-22 18:53:09.2330000	Hindi	65
4	4	Tara	2023-10-22 18:53:09.2330000	Physics	71
5	5	Tarun	2023-10-22 18:53:09.2330000	Chemistry	83
6	6	RAJA	2023-12-18 19:26:20.5800000	BIOLOGY	65

SO EVERY ENTRY IS UPDATED IN THE DATABSE AT THE SAME TIME AS WE USE THE APPLICATION POST/ADD

NOW IF WE WANT TO SEARCH ANY STUDENT MARKS HISTORY BY HIS ID WE WILL USE [GET ID] UI IN THE APPLICATION;



The screenshot shows a REST client interface. At the top, the method is 'GET' and the URL is '/api/Students/{id}'. Under the 'Parameters' tab, there is a single parameter 'id' with a value of '6'. The 'Execute' button is highlighted. Below the 'Responses' tab, the 'Response body' is displayed as a JSON object:

```
{
  "id": 6,
  "name": "RAJA",
  "doj": "2023-12-18T19:26:20.58",
  "subjectName": "BIOLOGY",
  "subjectMark": 65
}
```

The 'Response headers' are also visible:

```
content-type: application/json; charset=utf-8
date: Thu, 08 Feb 2024 19:41:05 GMT
server: Microsoft-IIS/10.0
transfer-encoding: chunked
x-powered-by: ASP.NET
```

SO WE GET THE STUDENT DETAILS BY ID 6 .

SIMILARLY, IF WE WANT TO UPDATE ANY STUDENT MARKS AND SUBJECTS NAME IT CAN BE DONE USING [PUT/UPDATE]

The screenshot shows a REST client interface with a PUT request to `/api/Students/{id}`. The `id` parameter is set to 6. The request body is a JSON object: `{ "id": 6, "name": "RAJA", "doj": "2024-02-08T19:47:01.534Z", "subjectName": "BIOLOGY", "subjectMark": "75" }`. The interface includes buttons for 'Execute' and 'Clear', and a 'Responses' section at the bottom.

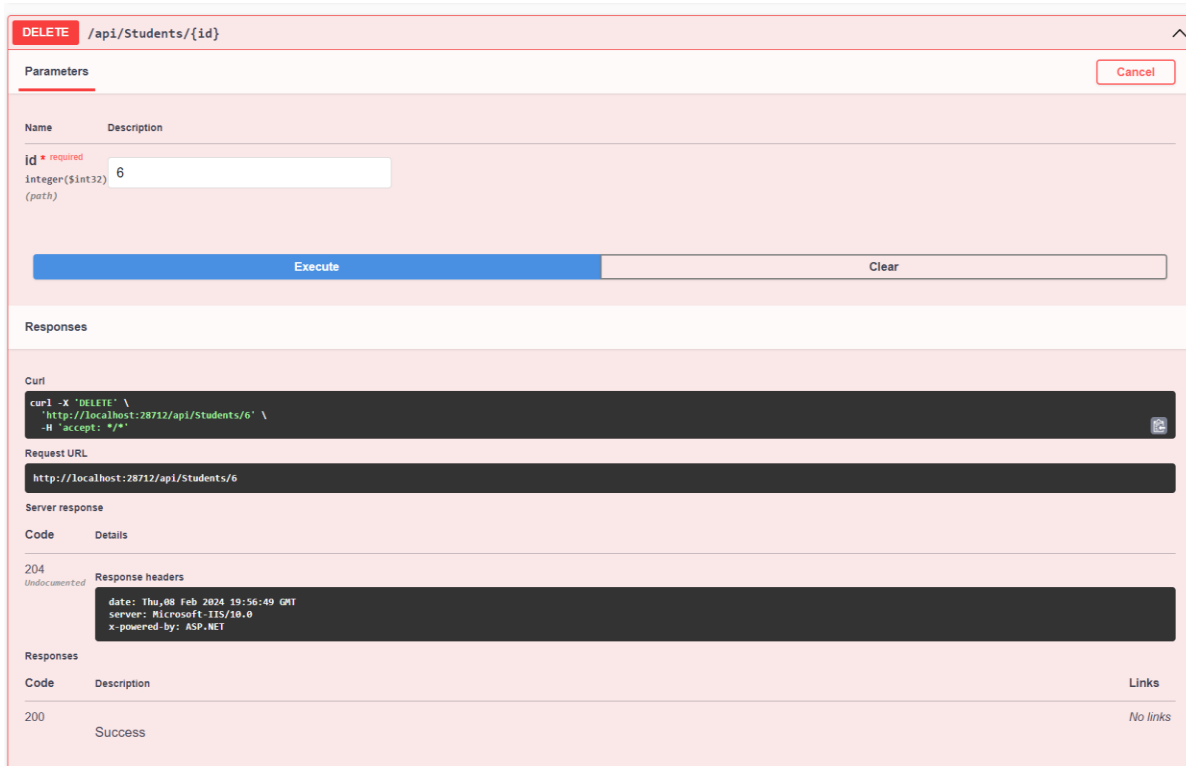
PREVIOUSLY HIS MARKS WAS 65 BUT AFTER RECHECKING HE SCORES 75 SO HERE I HAVE UPADTED HIS MARKS AND HIS DATA IS NOW UPADTED BY THE APPLICATION AS WELL AS IN DATABASE ASLO:

The screenshot shows a SQL query editor with a query: `select * from student`. Below the query, there is a table of results with 6 rows. The first row is highlighted.

	Id	Name	DOJ	SubjectName	Subjec
1	1	Rohit	2023-10-02 18:53:09.2330000	Maths	75
2	2	Ria	2023-10-22 18:53:09.2330000	English	95
3	3	Priya	2023-10-22 18:53:09.2330000	Hindi	65
4	4	Tara	2023-10-22 18:53:09.2330000	Physics	71
5	5	Tarun	2023-10-22 18:53:09.2330000	Chemistry	83
6	6	RAJA	2024-02-08 19:47:01.5340000	BIOLOGY	75

SO WE CAN SEE HIS MARKS IS ALSO UPDATED IN THE SAME TIME AS IT IS UPDATED .

NOW IF WE WANT TO DELETE ANY STUDENT DATA, WE CAN EASILY DELETE IT BY HIS ID THIS APPLICATION AND CHANGES WILL REFLECT IN DATABASE ALSO;



DELETE /api/Students/{id}

Parameters

Name Description

Id required integer(\$int32) 6 (path)

Execute Clear

Responses

Curl

```
curl -X 'DELETE' \
'http://localhost:28712/api/Students/6' \
-H 'accept: */*'
```

Request URL

```
http://localhost:28712/api/Students/6
```

Server response

Code Details

204 Undocumented

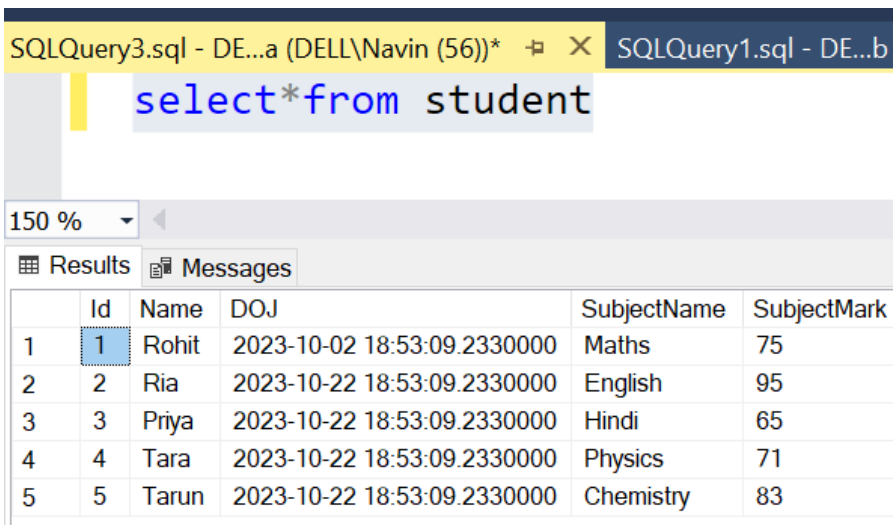
Response headers

```
date: Thu, 08 Feb 2024 19:56:49 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200	Success	No links

AS WE DELETED ID 6 ,IT IS ALSO DELETED FROM THE DATABASE ALSO;



SQLQuery3.sql - DE...a (DELL\Navin (56))* SQLQuery1.sql - DE...b (

```
select*from student
```

150 %

Results Messages

	Id	Name	DOJ	SubjectName	SubjectMark
1	1	Rohit	2023-10-02 18:53:09.2330000	Maths	75
2	2	Ria	2023-10-22 18:53:09.2330000	English	95
3	3	Priya	2023-10-22 18:53:09.2330000	Hindi	65
4	4	Tara	2023-10-22 18:53:09.2330000	Physics	71
5	5	Tarun	2023-10-22 18:53:09.2330000	Chemistry	83

SEE THE STUDENT DATA WITH ID 6 IS DELETED FROM DATABASE AS WELL,

SO WE CAN CONCLUDE THAT THE APPLICATION IS WORKING COMPLETLEY FINE AND CAN BE USED BY ANY SCHOOL TO ADD/UPDATE/DELETE STUDENTS, SUBJECT AND THEIR MARKS AS WELL.

