

DAILY LIFE MANAGEMENT SYSTEM



Members Name and ID:

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Contribution:

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Scenario:

This project will record all day-to-day activities done by a user which will help them organizing and managing their day-to-day life. This will help them managing their health and using their time efficiently. A user can track the records of how much calorie they have spent or how much calorie they need for managing a good and sound health and a user can also know how much exercise they need for maintaining their BMI or to change their BMI. It will also track the records of the classes for students which will help them attending the classes with managing their physical health.

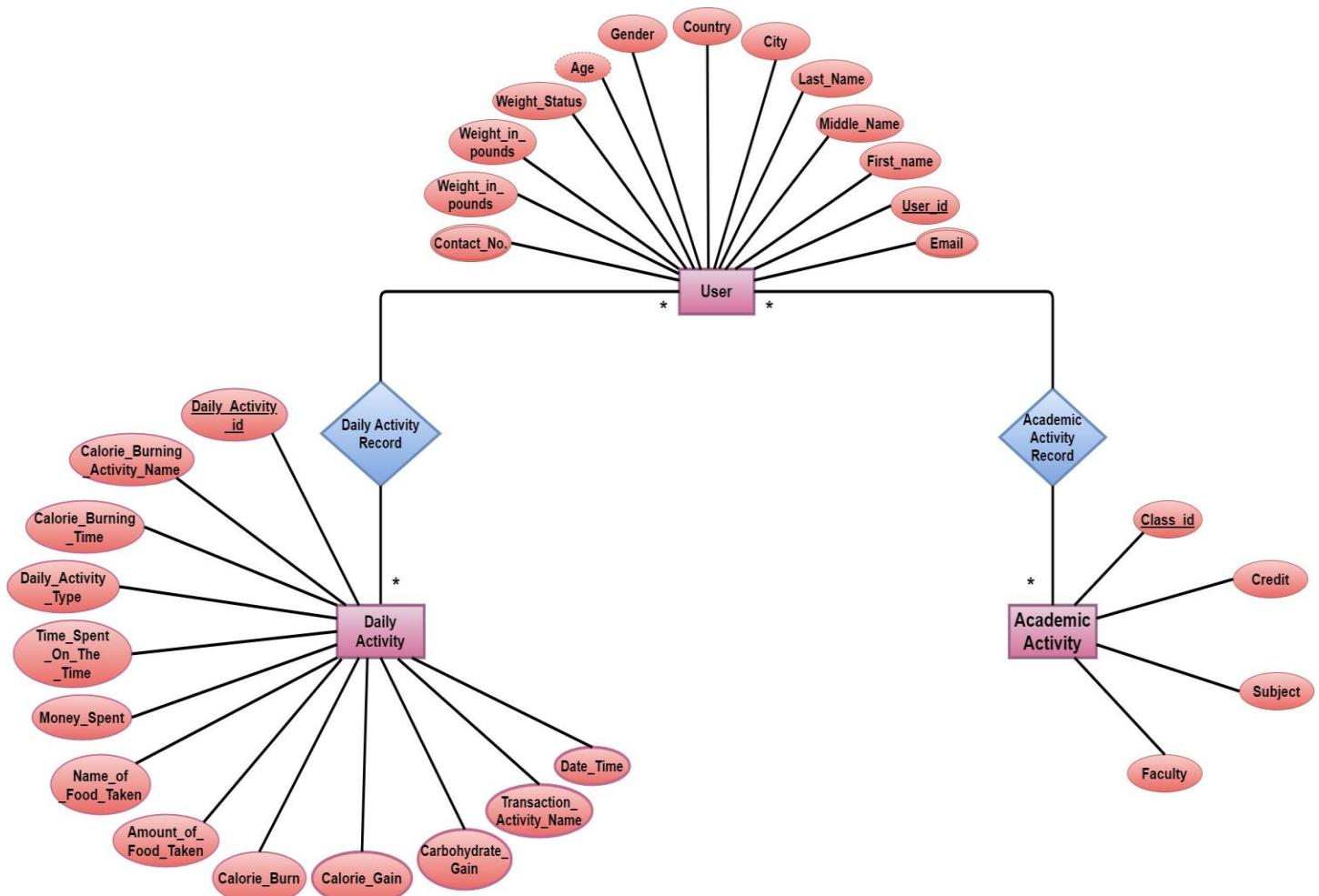
Description:

This project has 3 entities.

1. User: User will have all the identical attributes.
2. Daily activity: Daily activity will have all the attributes that will be helpful for recording the daily activities.
3. Classes: Classes will have all the classes for those who are student.

All the relation here will be many to many. As many users can have many activities and many classes as well as one activity or one class have many users.

ER-DIAGRAM:



Green Color → Primary Key

Red Color → Foreign Key

Daily activity records – (**user_id**, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no, city, country, **daily_activity_id**, date_time, daily_activity_type, time_spent_in_minutes, calorie_burning_activity_name, calorie_burning_time, calorie_burnt, name_of_food_taken, amount_of_food_taken, calorie_gain, carbohydrate_gain, transaction_activity_name, money_spent)

1 NF:

email, contact_no are multivalued attributes.

2 NF:

1. **user_id**, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no, city, country
2. **daily_activity_id**, date_time, activity_name, activity_type, time_spent_in_minutes, calorie_burning_activity_name, calorie_burnt, name_of_food_taken, amount_of_food_taken, calorie_gain, carbohydrate_gain, transaction_activity_name, money_spent

3 NF:

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no.
2. `address_id`, user_id, city, country
3. `daily_activity_id`, date_time, activity_name, activity_type, time_spent_in_minutes, calorie_burning_activity_name, calorie_burnt, name_of_food_taken, amount_of_food_taken, calorie_gain, carbohydrate_gain, transaction_activity_name, money_spent

Table

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds
2. `weight_status_id`, minimum_bmi, maximum_bmi, weight_status
3. `user_id, email` (composite key)
4. `user_id, contact_no` (composite key)
5. `address_id`, `user_id`, city, country
6. `user_daily_activity_id`, `user_id`, `daily_activity_id`
7. `daily_activity_id`, date_time, name, time_spent_in_minutes
8. `calorie_burning_activity_id`, `daily_activity_id`, activity_type
9. `activity_id`, calorie_burning_activity_name, calorie_burnt
10. `calorie_gaining_activity_id`, `daily_activity_id`, food_id, amount

11. `food_id`, name_of_food_taken, amount_of_food_taken, calorie_gain, carbohydrate_gain
12. `transaction_activity_id`, `daily_activity_id`, transaction_id, payment_type
13. `transaction_id`, transaction_activity_name, money_spent

Academic activity records - (`user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no, city, country, `class_id`, subject, credit, faculty)

1 NF:

email, contact_no are multivalued attributes.

2 NF:

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no, city, country
2. `class_id`, subject, credit, faculty

3 NF:

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds, weight_status, email, contact_no.
2. `address_id`, user_id, city, country

3. `class_id`, subject, credit, faculty

Table

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds
2. `weight_status_id`, minimum_bmi, maximum_bmi, weight_status
3. `user_id, email` (composite key)
4. `user_id, contact_no` (composite key)
5. `address_id, user_id`, city, country
6. `user_class_id`, date_time, `user_id, class_id`
7. `class_id`, subject, credit, faculty

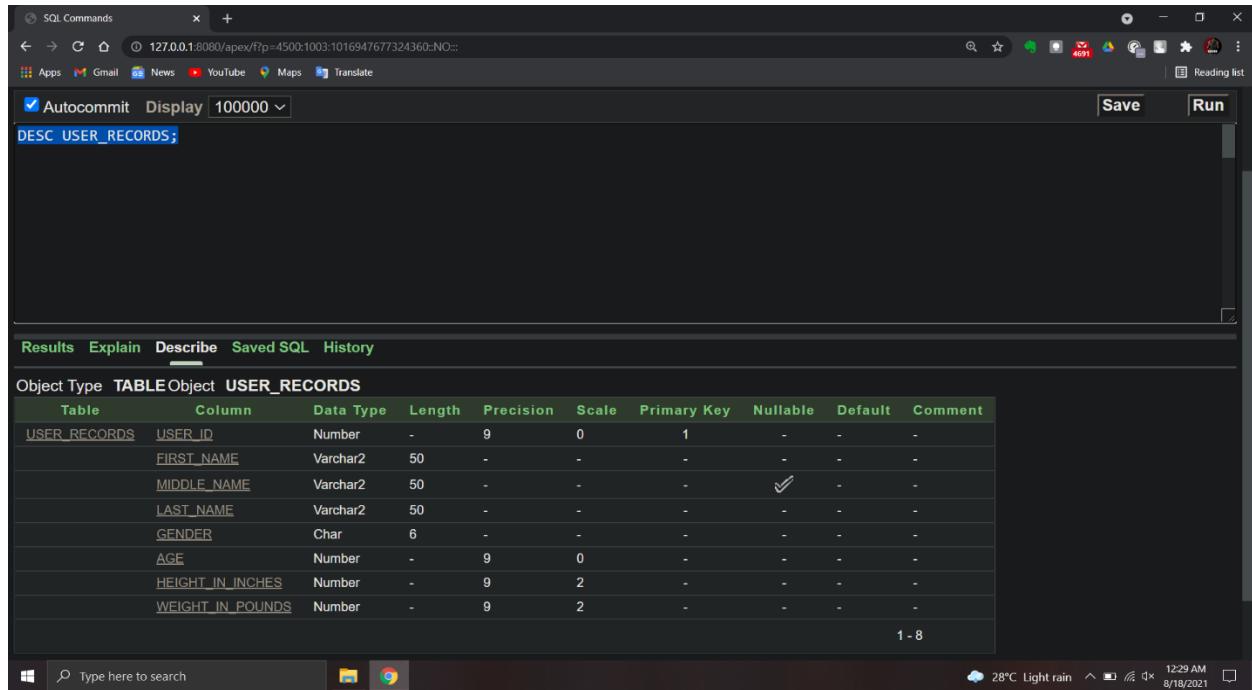
TOTAL TABLE

1. `user_id`, first_name, middle_name, last_name, gender, age, height_in_inches, weight_in_pounds -> **USER_RECORDS**
2. `weight_status_id`, minimum_bmi, maximum_bmi, weight_status -> **WEIGHT_STATUS**
3. `user_id, email` -> **USER_EMAIL_RECORDS**
4. `user_id, contact_no` -> **USER_CONTACT_NO_RECORDS**
5. `address_id, user_id`, city, country -> **USER_ADDRESS_RECORDS**
6. `user_daily_activity_id, user_id, daily_activity_id`
USER_DAILY_ACTIVITY_RECORDS

7. `daily_activity_id`, date_time, name, time_spent_in_minutes -> **DAILY_ACTIVITY_RECORDS**
8. `calorie_burning_activity_id`, `daily_activity_id`, activity_type -> **USER_CALORIE_BURNING_RECORDS**
9. `activity_id`, calorie_burning_activity_name, calorie_burnt -> **CAL_BURNT_BY_ACT_RECORDS**
10. `calorie_gaining_activity_id`, `daily_activity_id`, food_id, amount -> **USER_CALORIE_GAINING_RECORDS**
11. `food_id`, name_of_food_taken, amount_of_food_taken, calorie_gain, carbohydrate_gain -> **FOOD_RECORDS**
12. `transaction_activity_id`, `daily_activity_id`, transaction_id, payment_type -> **USER_TRANSACTION_RECORDS**
13. `transaction_id`, transaction_activity_name, money_spent -> **TRANSACTION_RECORDS**
14. `user_class_id`, date_time, `user_id`, `class_id` -> **USER_CLASS_RECORDS**
15. `class_id`, subject, credit, faculty -> **CLASS_RECORDS**

CREATE TABLE

1. USER_RECORDS:



The screenshot shows a Windows desktop environment with a SQL Commands window open. The window title is "SQL Commands". The URL bar shows "127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO:::". Below the URL bar are standard browser icons for Apps, Gmail, News, YouTube, Maps, and Translate. A toolbar with "Autocommit" checked, a "Display" dropdown set to "100000", and buttons for "Save" and "Run" is visible. The main area contains the SQL command "DESC USER_RECORDS;". Below this, a results grid titled "Object Type TABLE Object USER_RECORDS" displays the table structure with columns: Table, Column, Data Type, Length, Precision, Scale, Primary Key, Nullable, Default, and Comment. The table has 8 rows, each corresponding to a column in the USER_RECORDS table.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_RECORDS	USER_ID	Number	-	9	0	1	-	-	-
	FIRST_NAME	Varchar2	50	-	-	-	-	-	-
	MIDDLE_NAME	Varchar2	50	-	-	-	✓	-	-
	LAST_NAME	Varchar2	50	-	-	-	-	-	-
	GENDER	Char	6	-	-	-	-	-	-
	AGE	Number	-	9	0	-	-	-	-
	HEIGHT_IN_INCHES	Number	-	9	2	-	-	-	-
	WEIGHT_IN_POUNDS	Number	-	9	2	-	-	-	-

2. WEIGHT STATUS:

The screenshot shows a browser window titled "SQL Commands" with the URL "127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::". The page displays the description of the "WEIGHT_STATUS" table. The table has four columns: SERIAL_NO (Number), MINIMUM_BMI (Number), MAXIMUM_BMI (Number), and WEIGHT_STATUS (Varchar2). The "WEIGHT_STATUS" column has a length of 50. The results are shown in a table format with 1 row and 4 columns.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
WEIGHT_STATUS	SERIAL_NO	Number	-	9	0	1	-	-	-
	MINIMUM_BMI	Number	-	9	2	-	-	-	-
	MAXIMUM_BMI	Number	-	9	2	-	-	-	-
	WEIGHT_STATUS	Varchar2	50	-	-	-	-	-	-

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3. USER EMAIL RECORDS:

The screenshot shows a browser window titled "SQL Commands" with the URL "127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::". The page displays the description of the "USER_EMAIL_RECORDS" table. The table has two columns: USER_ID (Number) and EMAIL (Varchar2). The "EMAIL" column has a length of 50 and is the primary key (PK). The results are shown in a table format with 1 row and 10 columns.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_EMAIL_RECORDS	USER_ID	Number	-	9	0	1	-	-	-
	EMAIL	Varchar2	50	-	-	2	-	-	-

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4. USER CONTACT_NO RECORDS:

User: DAILY

Home > SQL > SQL Commands

Autocommit Save Run

```
DESC USER_CONTACT_NO_RECORDS;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object USER_CONTACT_NO_RECORDS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_CONTACT_NO_RECORDS	USER_ID	Number	-	9	0	1	-	-	-
	CONTACT_NO	Varchar2	50	-	-	2	-	-	-

1 - 2

Language: en-gb Type here to search Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved. 28°C Light rain 12:37 AM 8/18/2021

5. USER ADDRESS RECORDS:

Autocommit Save Run

```
DESC USER_ADDRESS_RECORDS;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object USER_ADDRESS_RECORDS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_ADDRESS_RECORDS	ADDRESS_ID	Number	-	9	0	1	-	-	-
	USER_ID	Number	-	9	0	-	✓	-	-
	CITY	Varchar2	50	-	-	-	-	-	-
	COUNTRY	Varchar2	50	-	-	-	-	'BANGLADESH'	-

1 - 4

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6. USER DAILY ACTIVITY RECORDS:

The screenshot shows the Oracle Application Express interface. In the top-left corner, there's a tab labeled "SQL Commands". The URL in the address bar is `/apex/f?p=4500:1003:1016947677324360::NO::`. Below the address bar, there are links for YouTube, Maps, and Translate, along with a "Reading list" icon. On the right side of the header, there are "Save" and "Run" buttons. The main content area contains the SQL command `DESC DAILY_ACTIVITY_RECORDS;`. Below the command, there are tabs for Results, Explain, Describe, Saved SQL, and History. The "Describe" tab is selected. The results show the object type as TABLE and the columns of the DAILY_ACTIVITY_RECORDS table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DAILY_ACTIVITY_RECORDS	DAILY_ACTIVITY_ID	Number	-	9	0	1	-	-	-
	DATE_TIME	Timestamp(6)	11	-	6	-	-	-	-
	TIME_SPENT_ON_THE_ACTIVITY	Number	-	9	2	-	-	-	-
	ACTIVITY_TYPE	Varchar2	50	-	-	-	✓	-	-

At the bottom of the results, it says "1 - 4". The footer of the page includes the text "Language: en-gb", "Application Express 2.1.0.00.39", and "Copyright © 1999, 2006, Oracle. All rights reserved.". The system tray at the bottom shows icons for weather (28°C Light rain), battery (12:42 AM), and date (8/18/2021).

7. DAILY ACTIVITY RECORDS:

This screenshot is identical to the one above, showing the Oracle Application Express interface and the description of the DAILY_ACTIVITY_RECORDS table. The only difference is the title bar, which now reads "Oracle Rename Column Using AI" instead of "SQL Commands". The rest of the interface, including the SQL command, results table, and footer information, remains the same.

8. USER CALORIE BURNING RECORDS:

The screenshot shows the Oracle Application Express SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO:::. The page title is Home > SQL > SQL Commands. The SQL command entered is DESC CAL_BURNT_BY_ACT_RECORDS;. The results section displays the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CAL_BURNT_BY_ACT_RECORDS	ACTIVITY_ID	Number	-	9	0	1	-	-	-
	NAME	Varchar2	50	-	-	-	-	-	-
	CALORIE_LOST_BY_155P_IN_30M	Number	-	9	2	-	-	-	-

Page footer: Application Express 2.1.0.00.39, Copyright © 1999, 2006, Oracle. All rights reserved.

9. CAL BURNT BY ACT RECORDS:

The screenshot shows the Oracle Application Express SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO:::. The page title is Home > SQL > SQL Commands. The SQL command entered is DESC CAL_BURNT_BY_ACT_RECORDS;. The results section displays the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CAL_BURNT_BY_ACT_RECORDS	ACTIVITY_ID	Number	-	9	0	1	-	-	-
	NAME	Varchar2	50	-	-	-	-	-	-
	CALORIE_LOST_BY_155P_IN_30M	Number	-	9	2	-	-	-	-

Page footer: Application Express 2.1.0.00.39, Copyright © 1999, 2006, Oracle. All rights reserved.

10. USER CALORIE GAINING RECORDS:

The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'SQL Commands' and the URL '/apex/f?p=4500:1003:1016947677324360::NO::'. Below the navigation is a toolbar with 'Autocommit' checked, 'Display' set to '100000', and buttons for 'Save' and 'Run'. The main area contains the SQL command 'DESC USER_CALORIE_GAINING_RECORDS;'. Below the command is a table titled 'Object Type TABLE Object USER_CALORIE_GAINING_RECORDS' with columns: Table, Column, Data Type, Length, Precision, Scale, Primary Key, Nullable, Default, and Comment. The table has four rows corresponding to the columns of the table. At the bottom right of the page, it says 'Application Express 2.1.0.0.39' and 'Copyright © 1999, 2006, Oracle. All rights reserved.'

```
DESC USER_CALORIE_GAINING_RECORDS;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_CALORIE_GAINING_RECORDS	CALORIE_GAINING_ACTIVITY_ID	Number	-	9	0	1	-	-	-
	DAILY_ACTIVITY_ID	Number	-	9	0	-	-	-	-
	AMOUNT_OF_FOOD_TAKEN	Number	-	9	2	-	-	-	-
	FOOD_ID	Number	-	9	0	-	✓	-	-

11. FOOD RECORDS:

The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'SQL Commands' and the URL '/apex/f?p=4500:1003:1016947677324360::NO::'. Below the navigation is a toolbar with 'Autocommit' checked, 'Display' set to '100000', and buttons for 'Save' and 'Run'. The main area contains the SQL command 'DESC FOOD_RECORDS;'. Below the command is a table titled 'Object Type TABLE Object FOOD_RECORDS' with columns: Table, Column, Data Type, Length, Precision, Scale, Primary Key, Nullable, Default, and Comment. The table has five rows corresponding to the columns of the table. At the bottom right of the page, it says 'Application Express 2.1.0.0.39' and 'Copyright © 1999, 2006, Oracle. All rights reserved.'

```
DESC FOOD_RECORDS;
```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FOOD_RECORDS	FOOD_ID	Number	-	9	0	1	-	-	-
	NAME	Varchar2	50	-	-	-	-	-	-
	AMOUNT	Varchar2	50	-	-	-	-	-	-
	CALORIE	Number	-	9	2	-	-	-	-
	CARBOHYDRATE_IN_GRAM	Number	-	9	2	-	-	-	-

12. USER_TRANSACTION_RECORDS:

SQL Commands

Autocommit: Display: 100000

```
DESC USER_TRANSACTION_RECORDS;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object USER_TRANSACTION_RECORDS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER TRANSACTION RECORDS	USER_TRANSACTION_ACTIVITY_ID	Number	-	9	0	1	-	-	-
	DAILY_ACTIVITY_ID	Number	-	9	0	-	-	-	-
	TRANSACTION_ID	Number	-	9	0	-	-	-	-
	PAYMENT_METHOD	Varchar2	50	-	-	-	-	-	-

1 - 4

Language: en-gb Application Express 2.1.0.00.39

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Type here to search 28°C Light rain 12:45 AM 8/18/2021

13. TRANSACTION RECORDS:

SQL Commands

Autocommit: Display: 100000

```
DESC TRANSACTION_RECORDS;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object TRANSACTION_RECORDS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRANSACTION_RECORDS	TRANSACTION_ID	Number	-	9	0	1	-	-	-
	ACTIVITY_NAME	Varchar2	50	-	-	-	-	-	-
	MONEY_SPENT	Number	-	9	2	-	-	-	-

1 - 3

Language: en-gb Application Express 2.1.0.00.39

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Type here to search 28°C Light rain 12:45 AM 8/18/2021

14. CLASS RECORDS:

The screenshot shows the Oracle Application Express interface. In the top navigation bar, it says "Home > SQL > SQL Commands". Below that, there are checkboxes for "Autocommit" and "Display 100000", and buttons for "Save" and "Run". The SQL command entered is "DESC USER_CLASS_RECORDS;".

Below the command, there is a table titled "Object Type TABLE Object USER_CLASS_RECORDS". The table has the following columns:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_CLASS_RECORDS	USER_CLASS_ID	Number	-	9	0	1	-	-	-
	DATE_TIME	Timestamp(6)	11	-	6	-	-	-	-
	USER_ID	Number	-	9	0	-	-	-	-
	CLASS_ID	Number	-	9	0	-	-	-	-

At the bottom right of the interface, it says "Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved."

15. USER CLASS RECORDS:

The screenshot shows the Oracle Application Express interface. In the top navigation bar, it says "Home > SQL > SQL Commands". Below that, there are checkboxes for "Autocommit" and "Display 100000", and buttons for "Save" and "Run". The SQL command entered is "DESC CLASS_RECORDS;".

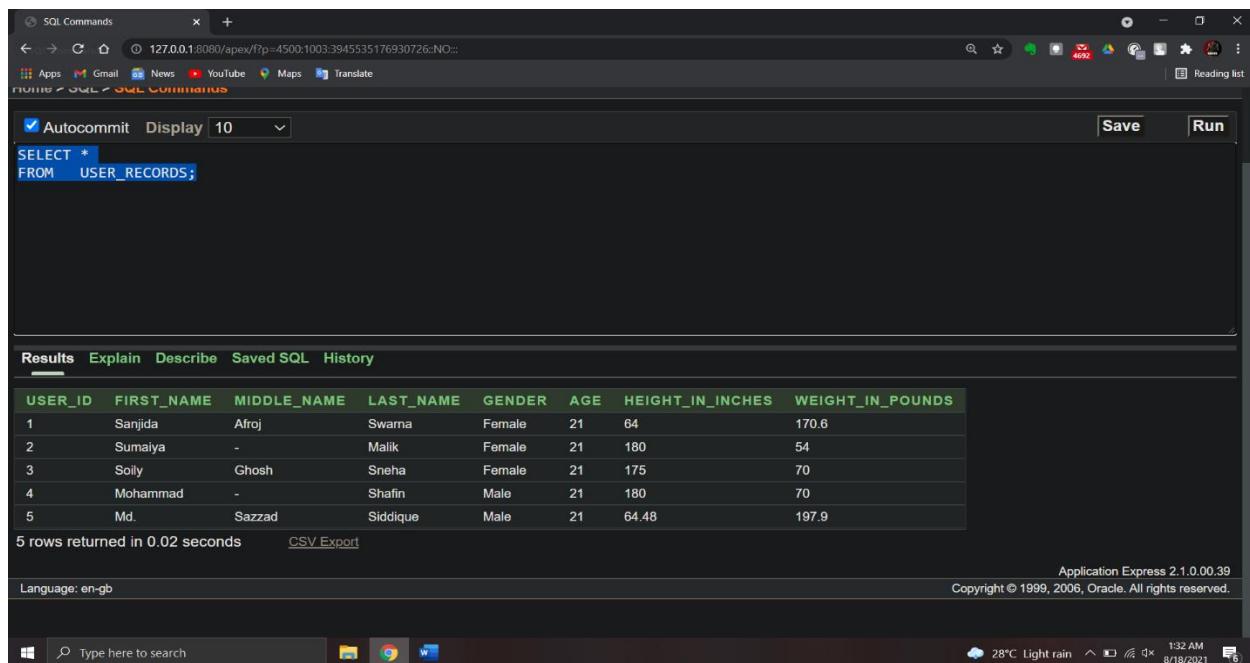
Below the command, there is a table titled "Object Type TABLE Object CLASS_RECORDS". The table has the following columns:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CLASS_RECORDS	CLASS_ID	Number	-	9	0	1	-	-	-
	SUBJECT	Varchar2	50	-	-	-	-	-	-
	CREDIT	Number	-	9	0	-	-	-	-
	FACULTY	Varchar2	50	-	-	-	-	-	-

At the bottom right of the interface, it says "Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved."

INSERTION TABLE

1. USER RECORDS:



The screenshot shows a browser window for Oracle Application Express. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:3945535176930726:NO:::1. The page title is "SQL Commands". The query entered is:

```
SELECT *  
FROM USER_RECORDS;
```

The results section displays the following table:

USER_ID	FIRST_NAME	MIDDLE_NAME	LAST_NAME	GENDER	AGE	HEIGHT_IN_INCHES	WEIGHT_IN_POUNDS
1	Sanjida	Afroj	Swama	Female	21	64	170.6
2	Sumaiya	-	Malik	Female	21	180	54
3	Soily	Ghosh	Sneha	Female	21	175	70
4	Mohammad	-	Shafin	Male	21	180	70
5	Md.	Sazzad	Siddique	Male	21	64.48	197.9

Below the table, it says "5 rows returned in 0.02 seconds" and there is a "CSV Export" link. The status bar at the bottom shows "Type here to search", "28°C Light rain", "1:32 AM", and "8/18/2021".

2. WEIGHT STATUS:

The screenshot shows a browser window titled "SQL Commands" running on "127.0.0.1:8080". The URL is "/apex/f?p=4500:1003:1016947677324360::NO::". The page displays a SQL query: "SELECT * FROM WEIGHT_STATUS;". The results are shown in a table:

SERIAL_NO	MINIMUM_BMI	MAXIMUM_BMI	WEIGHT_STATUS
1	0	18.5	Underweight
2	18.51	24.99	Normal weight
3	25	29.99	Overweight
4	30	100	Obese

Below the table, it says "4 rows returned in 0.00 seconds" and provides a "CSV Export" link. The status bar at the bottom right shows "28°C Light rain" and the date "8/18/2021".

3. USER EMAIL RECORDS:

The screenshot shows a browser window titled "SQL Commands" running on "127.0.0.1:8080". The URL is "/apex/f?p=4500:1003:1016947677324360::NO::". The page displays a SQL query: "SELECT * FROM USER_EMAIL_RECORDS;". The results are shown in a table:

USER_ID	EMAIL
1	sanjidaafrojswarna0@gmail.com
2	sumaiyamalik0@gmail.com
3	soilyghoshneha0@gmail.com
4	mohammadshafin0@gmail.com
5	lkhonsiddique0@gmail.com
5	mdsaazadsiddique0@gmail.com

Below the table, it says "6 rows returned in 0.00 seconds" and provides a "CSV Export" link. The status bar at the bottom right shows "28°C Light rain" and the date "8/18/2021".

4. USER CONTACT_NO RECORDS:

The screenshot shows a browser window with the URL `/apex/f?p=4500:1003:1016947677324360::NO::`. The page title is "SQL Commands". The main content area contains the following SQL query:

```
SELECT *  
FROM USER_CONTACT_NO_RECORDS;
```

The results section displays a table with two columns: "USER_ID" and "CONTACT_NO". The data is as follows:

USER_ID	CONTACT_NO
2	+880 1818-251336
3	+880 1720-807441
4	+880 1641-781207
5	+880 1824-074121
5	+880 1883-244382

Below the table, it says "5 rows returned in 0.02 seconds" and provides a "CSV Export" link. At the bottom, it shows "Language: en-gb", "Application Express 2.1.0.00.39", and "Copyright © 1999, 2006, Oracle. All rights reserved."

5. USER ADDRESS RECORDS:

The screenshot shows a browser window with the URL `127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::`. The page title is "SQL Commands". The main content area contains the following SQL query:

```
SELECT *  
FROM USER_ADDRESS_RECORDS;
```

The results section displays a table with four columns: "ADDRESS_ID", "USER_ID", "CITY", and "COUNTRY". The data is as follows:

ADDRESS_ID	USER_ID	CITY	COUNTRY
1	1	Ghazipur	BANGLADESH
2	2	Dhaka	BANGLADESH
3	3	Chapainawabganj	BANGLADESH
4	4	Sylhet	BANGLADESH
5	5	Tangail	BANGLADESH

Below the table, it says "5 rows returned in 0.37 seconds" and provides a "CSV Export" link. At the bottom, it shows "Language: en-gb", "Application Express 2.1.0.00.39", and "Copyright © 1999, 2006, Oracle. All rights reserved."

6. USER DAILY ACTIVITY RECORDS:

The screenshot shows a Windows desktop environment with a browser window open to Oracle Application Express. The URL in the address bar is `/apex/f?p=4500:1003:1016947677324360::NO::`. The browser toolbar includes icons for YouTube, Maps, and Translate, along with a search bar and a reading list button.

The main content area displays a SQL query result:

```
SQL Commands
SQL Commands
127.0.0.1:8080

Results Explain Describe Saved SQL History
```

USER_DAILY_ACTIVITY_ID	USER_ID	DAILY_ACTIVITY_ID
1	5	1
2	2	1
3	2	2
4	5	3
5	5	4
6	2	4
7	5	5
8	2	5
9	5	6
10	2	6
11	5	7
12	2	7

12 rows returned in 0.00 seconds [CSV Export](#)

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Windows taskbar at the bottom shows the Start button, a search bar, and icons for File Explorer, Google Chrome, and Microsoft Word. The system tray shows the date and time as 12:58 AM, 8/18/2021.

7. DAILY ACTIVITY RECORDS:

The screenshot shows a Windows desktop environment with a browser window open to Oracle Application Express. The URL in the address bar is `127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::`. The browser toolbar includes icons for Apps, Gmail, News, YouTube, Maps, and Translate, along with a search bar and a reading list button.

The main content area displays a SQL query result:

```
SQL Commands
Oracle Rename Column Using AI
127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::
```

```
SELECT *
FROM DAILY_ACTIVITY_RECORDS;
```

Results Explain Describe Saved SQL History

DAILY_ACTIVITY_ID	DATE_TIME	TIME_SPENT_ON_THE_ACTIVITY	ACTIVITY_NAME
1	15-AUG-21 09.00.00.000000 AM	30	Breakfast
2	15-AUG-21 10.00.00.000000 AM	15	Gardening
3	15-AUG-21 12.00.00.000000 PM	60	Walking at 4 mph
4	15-AUG-21 02.00.00.000000 PM	30	Lunch
5	15-AUG-21 07.00.00.000000 AM	120	Reading
6	15-AUG-21 09.00.00.000000 AM	30	Dinner
7	16-AUG-21 12.00.00.000000 AM	360	Sleeping

7 rows returned in 0.00 seconds [CSV Export](#)

Language: en-gb Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.

Windows taskbar at the bottom shows the Start button, a search bar, and icons for File Explorer, Google Chrome, and Microsoft Word. The system tray shows the date and time as 10:3 AM, 8/18/2021.

8. USER CALORIE BURNING RECORDS:

The screenshot shows a browser window with the URL `127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::`. The page title is "SQL Commands". The SQL query entered is:

```
SELECT *
FROM USER_CALORIE_BURNING_RECORDS;
```

The results table has four columns: CALORIE_BURNING_ACTIVITY_ID, DAILY_ACTIVITY_ID, ACTIVITY_ID, and ACTIVITY_TYPE. The data is:

CALORIE_BURNING_ACTIVITY_ID	DAILY_ACTIVITY_ID	ACTIVITY_ID	ACTIVITY_TYPE
1	2	4	Medium activity
2	3	6	Heavy activity
3	6	16	Light activity
4	7	17	Light activity

Below the table, it says "4 rows returned in 0.02 seconds" and "CSV Export". At the bottom, it says "Language: en-gb", "Application Express 2.1.0.00.39", and "Copyright © 1999, 2006, Oracle. All rights reserved."

9. CAL BURNT BY ACT RECORDS:

The screenshot shows a browser window with the same URL as the previous one. The page title is "SQL Commands". The SQL query entered is:

```
SELECT *
FROM ACTIVITY_ID, NAME, CALORIE_LOST_BY_155P_IN_30M;
```

The results table has three columns: ACTIVITY_ID, NAME, and CALORIE_LOST_BY_155P_IN_30M. The data is:

ACTIVITY_ID	NAME	CALORIE_LOST_BY_155P_IN_30M
1	walking at 4.5 mph	186
2	cleaning the gutters	186
3	mowing the lawn	167
4	gardening	167
5	washing the car	167
6	walking at 4 mph	167
7	walking at 3.5 mph	149
8	walking at 4.5 mph	186
9	playing with the kids (moderate activity)	149
10	grocery shopping (with cart)	130
11	cooking	93
12	sitting in meetings	60
13	light office work	67
14	computer work	51
15	standing in line	56
16	reading	33
17	sleeping	28

Below the table, it says "17 rows returned in 0.01 seconds" and "CSV Export". At the bottom, it says "Language: en-gb", "Application Express 2.1.0.00.39", and "Copyright © 1999, 2006, Oracle. All rights reserved."

10. USER CALORIE GAINING RECORDS:

SQL Commands

/apex/f?p=4500:1003:1016947677324360::NO::

Autocommit Display 100000

```
SELECT *
FROM USER_CALORIE_GAINING_RECORDS;
```

Results Explain Describe Saved SQL History

CALORIE_GAINING_ACTIVITY_ID	DAILY_ACTIVITY_ID	AMOUNT_OF_FOOD_TAKEN	FOOD_ID
1	1	2	12
2	1	5	10
3	4	1	17
4	6	1	17
5	6	2	12

5 rows returned in 0.02 seconds CSV Export

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11. FOOD RECORDS:

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::

Results Explain Describe Saved SQL History

FOOD_ID	NAME	AMOUNT	CALORIE	CARBOHYDRATE_IN_GRAM
1	Apple	1 medium	21	81
2	Banana	1	27	105
5	Orange	1	16	65
3	Dates (dried)	10	61	228
4	Grapes	1 cup	28	114
6	Pear	1	25	98
7	Pineapple	1 cup	19	77
8	Strawberries	1 cup	11	45
9	Watermelon	1 cup	12	50
10	Carrot	1 medium	8	31
11	Corn	1/2 cup	21	89
12	Potato	1 large, baked, plain	50	220
15	Bread (white)	1 slice	12	61
13	Sweet Potato	1 large, baked, plain	28	118
14	Biscuit	1	13	103
16	Bread (whole wheat)	1 slice	11	55
17	Rice, white	1 cup	50	223
18	Rice, brown	1 cup	50	232

18 rows returned in 0.00 seconds CSV Export

12. USER_TRANSACTION_RECORDS:

A screenshot of the Oracle SQL Developer interface. The title bar shows "SQL Commands" and the URL "127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::". The main area displays a SQL query:

```
SELECT *  
FROM USER_TRANSACTION_RECORDS;
```

The results section shows a table with four columns: USER_TRANSACTION_ACTIVITY_ID, DAILY_ACTIVITY_ID, TRANSACTION_ID, and PAYMENT_METHOD. The data is as follows:

USER_TRANSACTION_ACTIVITY_ID	DAILY_ACTIVITY_ID	TRANSACTION_ID	PAYMENT_METHOD
1	1	6	Money
2	3	2	Money
3	4	3	Credit Card
4	6	5	Credit Card

Below the table, it says "4 rows returned in 0.00 seconds" and provides a "CSV Export" link. The status bar at the bottom right shows "Application Express 2.1.0.0.0.39", "Copyright © 1999, 2006, Oracle. All rights reserved.", and the date "8/18/2021".

13. TRANSACTION RECORDS:

A screenshot of the Oracle SQL Developer interface. The title bar shows "SQL Commands" and the URL "127.0.0.1:8080/apex/f?p=4500:1003:1016947677324360::NO::". The main area displays a SQL query:

```
SELECT *  
FROM TRANSACTION_RECORDS;
```

The results section shows a table with three columns: TRANSACTION_ID, ACTIVITY_NAME, and MONEY_SPENT. The data is as follows:

TRANSACTION_ID	ACTIVITY_NAME	MONEY_SPENT
1	Transportation cost	100
2	Breakfast cost	50
3	Lunch cost	50
4	Snacks cost	50
5	Dinner cost	50
6	Other cost	200

Below the table, it says "6 rows returned in 0.00 seconds" and provides a "CSV Export" link. The status bar at the bottom right shows "Application Express 2.1.0.0.0.39", "Copyright © 1999–2006, Oracle. All rights reserved.", and the date "8/18/2021".

14. CLASS RECORDS:

SQL Commands Oracle Rename Column Using A| +

SQL Commands /apex/f?p=4500:1003:1016947677324360::NO::

127.0.0.1:8080 YouTube Maps Translate

Autocommit

```
SELECT *
FROM CLASS_RECORDS;
```

Results Explain Describe Saved SQL History

CLASS_ID	SUBJECT	CREDIT	FACULTY
1	Introduction to Database	3	Rifat Tasnim Ananya
2	Matrices, Vectors ,Fourier Analysis	3	Jannat-E-Mahbuba
3	Data Structure(Theory)	3	Debjayoti Karmaker
4	Bangladesh Studies	3	Mohammed Niaz Mojumdar
5	Data Structure Lab	1	Victor Stany Rozario
6	Physics 1 Lab	1	Dr. Md. Habib Ullah

6 rows returned in 0.00 seconds [CSV Export](#)

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Type here to search 28°C Light rain 107 AM 8/18/2021

15. USER CLASS RECORDS:

SQL Commands Oracle Rename Column Using A| +

SQL Commands /apex/f?p=4500:1003:1016947677324360::NO::

127.0.0.1:8080 YouTube Maps Translate

Autocommit

```
SELECT *
FROM USER_CLASS_RECORDS;
```

Results Explain Describe Saved SQL History

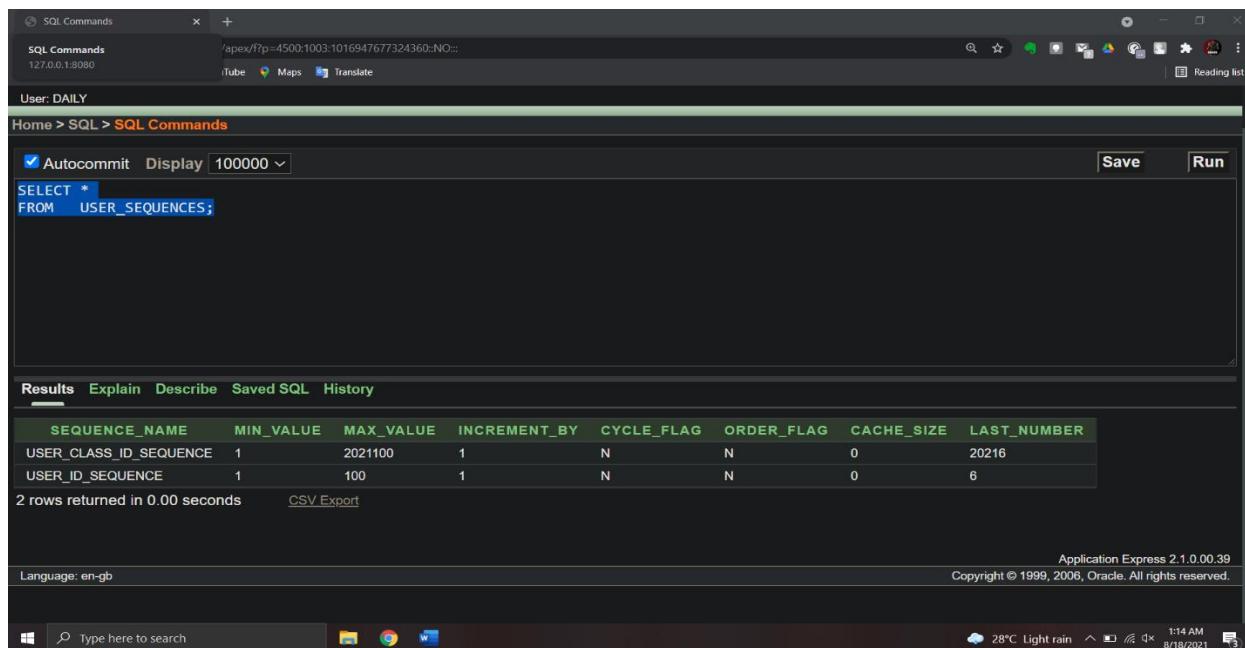
USER_CLASS_ID	DATE_TIME	USER_ID	CLASS_ID
20211	15-AUG-21 11.00.00.000000 AM	5	3
20212	15-AUG-21 02.00.00.000000 PM	5	4
20213	16-AUG-21 02.00.00.000000 PM	5	1
20214	16-AUG-21 12.30.00.000000 PM	5	2
20215	16-AUG-21 08.00.00.000000 AM	5	6

5 rows returned in 0.00 seconds [CSV Export](#)

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Type here to search 28°C Light rain 108 AM 8/18/2021

SEQUENCE:



The screenshot shows a browser window for Oracle Application Express. The URL is `/apex/f?p=4500:1003:1016947677324360::NO::`. The page title is "SQL Commands". The SQL query entered is:

```
SELECT *  
FROM USER_SEQUENCES;
```

The results section displays the following table:

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	CYCLE_FLAG	ORDER_FLAG	CACHE_SIZE	LAST_NUMBER
USER_CLASS_ID_SEQUENCE	1	2021100	1	N	N	0	20216
USER_ID_SEQUENCE	1	100	1	N	N	0	6

Below the table, it says "2 rows returned in 0.00 seconds" and there is a "CSV Export" link. At the bottom, it shows "Language: en-gb" and "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved."

ALL CONSTRAINT

OWNER	CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	R_OWNER	R_CONSTRAINT_NAME	DELETE_RULE	STATUS
DAILY	SYS_C004713	C	USER_RECORDS	"FIRST_NAME" IS NOT NULL	-	-	-	ENABLED
DAILY	SYS_C004714	C	USER_RECORDS	"GENDER" IS NOT NULL	-	-	-	ENABLED
DAILY	SYS_C004715	C	USER_RECORDS	"AGE" IS NOT NULL	-	-	-	ENABLED
DAILY	SYS_C004716	C	USER_RECORDS	"HEIGHT_IN_INCHES" IS NOT NULL	-	-	-	ENABLED
DAILY	SYS_C004717	C	USER_RECORDS	"WEIGHT_IN_POUNDS" IS NOT NULL	-	-	-	ENABLED
DAILY	USER_ID_PK	P	USER_RECORDS	-	-	-	-	ENABLED
DAILY	GENDER_CHECK	C	USER_RECORDS	gender = 'Male' OR gender = 'Female'	-	-	-	ENABLED
DAILY	SYS_C004722	C	USER_RECORDS	"LAST_NAME" IS NOT NULL	-	-	-	ENABLED

8 rows returned in 0.03 seconds [CSV Export](#)

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SOME OF QUESTIONS FROM EACH TOPIC:

1. CREATE A COLUMN BMI WHICH WILL CALCULATE THE BMI OF ALL THE USERS AND SHOW USER ID, NAME, BMI AND THE WEIGHT STATUS FROM THE WEIGHT STATUS TABLE.
2. SHOW USER_ID, NAME AND CONTACT NO OF ALL THE USERS WHO HAS MORE THAN ONE CONTACT NUMBER.
3. SHOW ALL THE ACTIVITES WHICH HAS BEEN DONE BEFORE 12 PM.
4. SHOW ALL THE FOOD WHICH CALORIE IS GREATER THAN ALL THE FOOD NAME START WITH 'S' FROM THE FOOD_RECORDS.

5. SHOW ALL THE ACTIVITY WHICH CALORIE IS LESS THAN THE AVERAGE CALORIE FORM CAL_BURNT_BY_ACT_RECORDS.
6. CREATE A COLUMN CALORIE_BURNT AND SHOW THE CALORIE BURNT BY EACH ACTIVITY.
7. CREATE A COLUMN TOTAL_MONEY_SPENT AND CALCULATE THE TOTAL MONEY SPENT OF EACH USER.
8. SHOW THE HIGHEST TOTAL MONEY_SPENT OF THOSE ACTIVITIES WHICH PAYMENT METHOD IS CREDIT CARD.
9. SHOW ALL THE CLASSES OF CREDIT = 3 AND FACULTY NAME STARTS WITH 'R'.
10. SHOW TOTAL CREDITS TAKEN BY EACH USER.