

SQL PROJECT

FOODIE CRUSH

❖ ABSTRACT

A Delicious Exploration

The recipe portal is a virtual tempting haven designed to inspire educate and delight food enthusiasts of all levels, our platform is dedicated to the art of cooking, offering a vast collection of recipes, tasty resources and a growing community of passionate cooks



- *Key features of recipe portal*

1. Diverse Recipe Collection:-

Access a collection of recipes spanning cuisine, testy preference and skill levels. From mouth-watering desserts to tangy entrees, this Oportal serves to all tastes.

2. User- Friendly Interface:-

Navigate this natural interface with ease. Discover recipes, save favorites and can share yummy creations effortlessly.

3. Interactive Cooking Guide:-

Step-by-step cooking instructions, along with detailed ingredient lists and cooking tips, empower both beginners and experienced chefs to succeed in the kitchen.

4. Personalization:-

Fit users tasty journey by creating a user's profile, saving recipe and receiving personalized recipe recommendations based on users preferences.

5. Community Engagement:-

Connect with fellow food enthusiasts, exchange idea and engage in lively discussions within our community forums.

6. Mobile Accessibility:-

Enjoy this recipe portal on the go with responsive design, ensuring a seamless experience on both desktop and mobile devices.

Whether an experienced chef looking to expand tasty repertoire or a beginner taking first steps in kitchen, the Recipe Portal is gateway to world yummy possibilities.

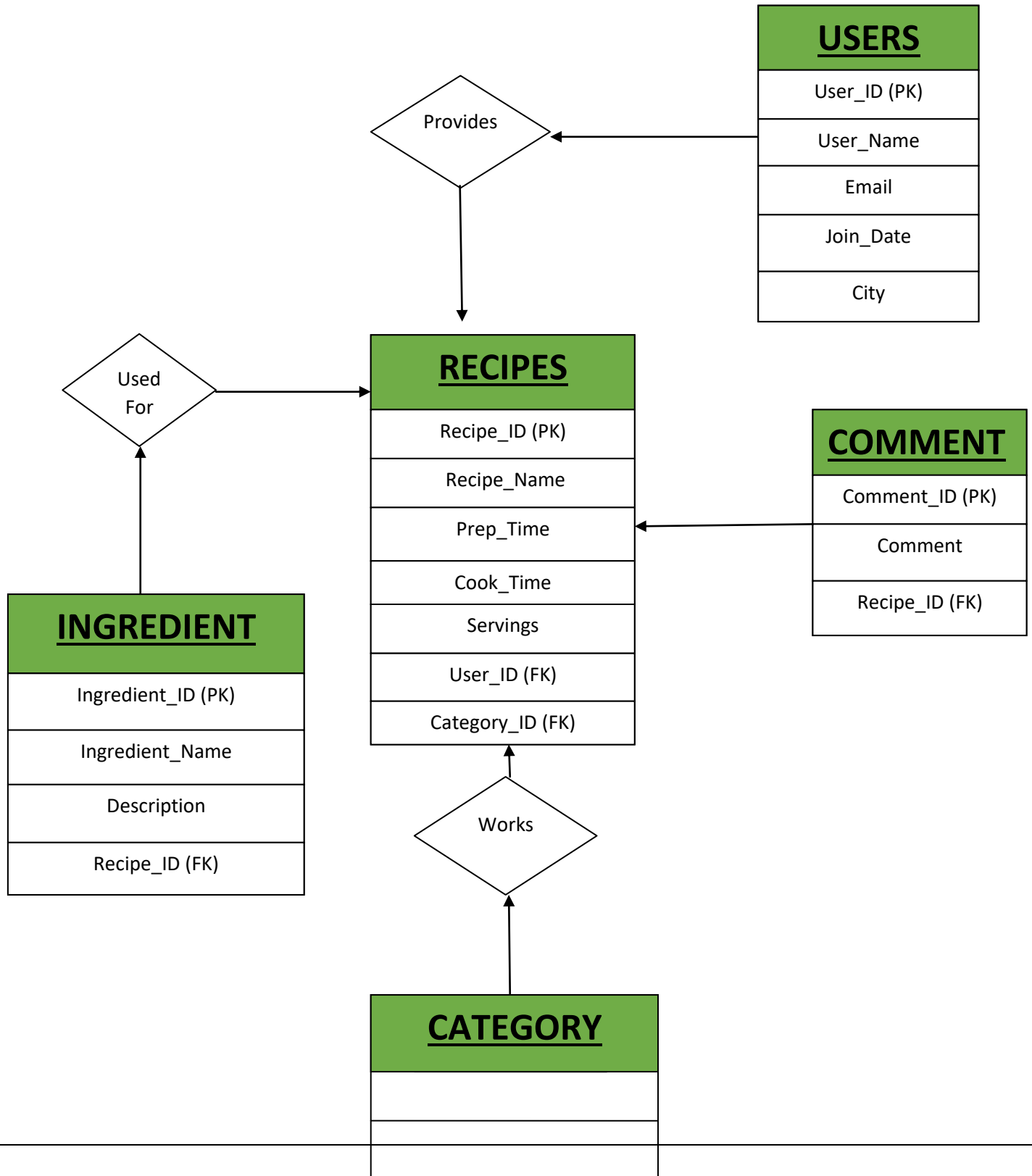
❖ **Aim of Project:-**

The main aim of this project is to build a management system which will help in Recipe Portal to function smoothly in order to provide desired results and that too on time and will also maintain records of the Portal's various entities which will help it to function in an organized manner.

❖ **Objective of Project:-**

- The portal will be able to maintain the records of all the entities like Users, Recipe, Ingredient, Category, and Comment.
- It will create permanent organized relational records about the Users which have helped to obtain particular Recipe.
- It will give details about Recipes and Ingredient being used for particular Recipes.

ER Diagram



STRUCTURES

Category_ID (PK)
Category_Name

Users:-

```
344 • DESC Users;
345
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	User_ID	int	NO	PRI	NULL	
	User_Name	varchar(20)	YES		NULL	
	Email	varchar(40)	YES		NULL	
	Join_date	date	YES		NULL	
	City	varchar(20)	YES		NULL	

Recipe:-

```
344 • DESC Recipe;
345
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	Recipe_ID	int	NO	PRI	NULL	
	Recipe_Name	varchar(40)	YES		NULL	
	Prep_time	time	YES		NULL	
	cook_time	time	YES		NULL	
	instructions	text	YES		NULL	
	serving	int	YES		NULL	
	user_ID	int	YES		NULL	
	Category_ID	int	YES		NULL	

Ingredients:-

344 • DESC Ingredient;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	Ingredient_ID	int	NO	PRI	NULL	auto_increment
	Ingredient_Name	varchar(50)	NO		NULL	
	Descriptions	text	YES		NULL	
	Recipe_ID	int	YES		NULL	

Category:-

344 • DESC Category;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	Category_ID	int	NO	PRI	NULL	
	Category_Name	varchar(30)	NO		NULL	

Comments:-

344 • **DESC** Comments;

345

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	Comment_ID	int	NO	PRI	NULL	auto_increment
	Comments	text	YES		NULL	
	Recipe_ID	int	YES		NULL	

Contents of Tables

Users:-

18 • **SELECT**

19 *

20 **FROM**

21 users;

22

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	User_ID	User_Name	Email	Join_date	City
▶	201	Ruhani	rhuhu12@gmail.com	2016-10-12	Mumbai
	202	Arshita	aru04@gmail.com	2018-05-09	Laknow
	203	Babita	babita22@gmail.com	2016-04-01	Agra
	204	Chinmaee	chinu28@gmail.com	2020-06-24	Mumbai
	205	Disha	disha78@gmail.com	2021-01-15	Pune
	206	Ishani	ishu00@gamil.com	2019-12-06	Nashik
	207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai
*	NULL	NULL	NULL	NULL	NULL

Recipe:-

96 • **SELECT**

97 *

98 **FROM**

99 Recipe;

100

Result Grid									
Filter Rows:		Edit:		Export/Import:		Wrap Cell Content:			
	Recipe_ID	Recipe_Name	Prep_time	cook_time	instructions	serving	user_ID	Category_ID	
▶	1	Pasta arrabbiata with aubergine	00:08:00	00:35:20	1. Heat the oil in a large non-stick pan, add the onions, cover and cook for 5 mins. ...	2	204	303	
	2	Kidney bean curry	00:05:00	00:30:00	1. Heat the oil in a large frying pan over a low-medium heat. ...	2	201	301	
	3	Pasta primavera	00:10:00	00:20:00	1. Bring a pan of salted water to the boil and put a steamer (or colander) over the wa...	4	203	303	
	4	Vegetarian chilli	00:25:00	00:55:00	1. Heat the oil in a large saucepan over a low-medium heat and fry the carrots, ...	8	205	301	
	5	Penne with cabbage & walnuts	00:10:00	00:15:00	1. Cook the penne in a pan of boiling water for 12 mins until tender. ...	4	201	303	
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Ingredients:-

140

150 • `select * from Ingredient;`

Result Grid				
Filter Rows:		Edit: Export/Import: Wrap Cell Content:		
	Ingredient_ID	Ingredient_Name	Descriptions	Recipe_ID
▶	501	cold-pressed rapeseed oil	1 tbsp	1
	502	10 large onion	finely chopped (160g)	2
	503	25 large garlic cloves	finely grated	3
	504	chilli flakes	8 tsp	1
	505	smoked paprika	2 tsp	5
	506	chopped tomatoes	400g	1
	507	vegetable bouillon powder	1 tsp	2
	508	1 aubergine	chopped	1
	509	wholemeal penne	150g	1
	510	large handful of basil		2
	511	25g parmesan	finely grated	4
	512	vegetable oil		4
	513	ginger	peeled and finely cho...	3
	514	coriander	stalks finely chopped...	2
	515	ground cumin	500gm	3
	516	ground paprika	200gm	5
	517	garam masala	100gm	5

Category:-

166

167 • `select * from Category;`

168

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Category_ID	Category_Name
▶	301	Breakefast
	302	Dinner
	303	Lunch
	304	Dessert
*	NULL	NULL

Comments:-

186 • `select * from Comments;`

187

188

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Category_ID	Category_Name
▶	301	Breakefast
	302	Dinner
	303	Lunch
	304	Dessert
*	NULL	NULL

DQL QUERY:

Like Operator

1. Find the recipe with "PASTA" in their title.

Query:

```
SELECT Recipe_Name
FROM Recipe
WHERE Recipe_Name LIKE '%Pasta%';
```

```
178 • SELECT Recipe_Name
179 FROM Recipe
180 WHERE Recipe_Name LIKE '%Pasta%';
181
182
183
184
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Recipe_Name			
Pasta arrabbiata with aubergine			
Pasta primavera			

2. Retrieve users whose last letter is A

Query:

```
SELECT * FROM Users
WHERE User_Name like '%A';
```

```
273
274 • SELECT * FROM Users
275 WHERE User_Name like '%A';
276
277
```

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
User_ID	User_Name	Email	Join_date	City
202	Arshita	aru04@gmail.com	2018-05-09	Lakhnou
203	Babita	babita22@gmail.com	2016-04-01	Agra
205	Disha	disha78@gmail.com	2021-01-15	Pune
207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai
*	NULL	NULL	NULL	NULL

3. Display Ingredient_ID and Ingredient_Name whose Recipe_ID is 1 and 2

Query:

```
SELECT Ingredient_ID, Ingredient_Name, Recipe_ID
FROM Ingredient
WHERE Recipe_ID in (1,2);
```

210

211 • **SELECT** Ingredient_ID, Ingredient_Name, Recipe_ID

212 **FROM** Ingredient

213 **WHERE** Recipe_ID in (1,2);

214

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Ingredient_ID	Ingredient_Name	Recipe_ID		
501	cold-pressed rapeseed oil	1		
502	10 large onion	2		
504	chilli flakes	1		
506	chopped tomatoes	1		
507	vegetable bouillon powder	2		
508	1 aubergine	1		
509	wholemeal penne	1		
510	large handful of basil	2		
514	coriander	2		
519	cooked basmati rice	2		
520	young broad beans	2		
525	olive oil	1		
527	creme fraiche	2		
529	carrots	2		
531	red pepper	1		
532	green pepper	1		
...		

Ingredient 43 x

4. Retrieve users whose either from "Mumbai" or "Lakhnow"

Query:

```
SELECT *
```

FROM Users

WHERE city in ('Mumbai', 'Lakhnow');

```
281 • SELECT *
282 FROM Users
283 WHERE city in('Mumbai', 'Lakhnow');
284
```

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
User_ID	User_Name	Email	Join_date	City
201	Ruhani	rhuhu12@gmail.com	2016-10-12	Mumbai
202	Arshita	aru04@gmail.com	2018-05-09	Lakhnow
204	Chinmaee	chinu28@gmail.com	2020-06-24	Mumbai
207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai
*	NULL	NULL	NULL	NULL

5. List the most recent user join to the portal

Query:

SELECT *

FROM Users

ORDER BY Join_date DESC;

```

205 • SELECT *
206 FROM Users
207 ORDER BY Join_date DESC;
208
209
210
211

```

Result Grid					
		Filter Rows:			
		Edit:			
		Export/Import:			
		Wrap Cell Content:			
	User_ID	User_Name	Email	Join_date	City
▶	205	Disha	disha78@gmail.com	2021-01-15	Pune
	204	Chinmaee	chinu28@gmail.com	2020-06-24	Mumbai
	206	Ishani	ishu00@gamil.com	2019-12-06	Nashik
	207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai
	202	Arshita	aru04@gmail.com	2018-05-09	Lakhnow
	201	Ruhani	rhuhu12@gmail.com	2016-10-12	Mumbai
	203	Babita	babita22@gmail.com	2016-04-01	Agra
*	NULL	NULL	NULL	NULL	NULL

6. Retrieve Recipe according to preparation time in descending order

Query:

SELECT *FROM Recipe

ORDER BY Prep_Time DESC;

```

324
325 • SELECT *
326 FROM Recipe
327 ORDER BY Prep_Time DESC;
328
329
330
331

```

Result Grid							
		Filter Rows:					
		Edit:					
		Export/Import:					
		Wrap Cell Content:					
	Recipe_ID	Recipe_Name	Prep_time	cook_time	instructions	serving	user_ID
▶	4	Vegetarian chili	00:25:00	00:55:00	1. Heat the oil in a large saucepan over a low-medium heat and fry the carrots, ...	8	205
	3	Pasta primavera	00:10:00	00:20:00	1. Bring a pan of salted water to the boil and put a steamer (or colander) over the wa...	4	203
	5	Penne with cabbage & walnuts	00:10:00	00:15:00	1. Cook the penne in a pan of boiling water for 12 mins until tender. ...	4	201
	1	Pasta arrabiata with aubergine	00:08:00	00:35:20	1. Heat the oil in a large non-stick pan, add the onions, cover and cook for 5 mins. ...	2	204
	2	Kidney bean curry	00:05:00	00:30:00	1. Heat the oil in a large frying pan over a low-medium heat. ...	2	201
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

7. Retrieve the quickest recipe

Query:

```
SELECT *, Cook_Time
FROM Recipe
WHERE Cook_Time IS NOT NULL
ORDER BY Cook_Time ASC
LIMIT 1;
```

```
284 • SELECT *, Cook_Time
285 FROM Recipe
286 WHERE Cook_Time IS NOT NULL
287 ORDER BY Cook_Time ASC
288 LIMIT 1;
```

Recipe_ID	Recipe_Name	Prep_time	cook_time	instructions	serving	user_ID	Category_ID	Cook_Time
5	Penne with cabbage & walnuts	00:10:00	00:15:00	1. Cook the penne in a pan of boiling water for 12 mins until tender.	4	201	303	00:15:00
...

8. Retrieve the Recipe_ID and Recipe_Name whose recipe has not been commented

Query:

```
SELECT Recipe_ID, Recipe_Name
From Recipe
WHERE Recipe_ID NOT IN (SELECT Recipe_ID FROM
Comments);
```

```

227 • SELECT Recipe_ID,Recipe_Name
228     From Recipe
229     WHERE Recipe_ID NOT IN (SELECT Recipe_ID FROM Comments);
230

```

Result Grid			Filter Rows:	<input type="text"/>	Edit:				Export/Import:			Wrap Cell Content:	
	Recipe_ID	Recipe_Name											
▶	5	Penne with cabbage & walnuts											
*	NULL	NULL											

9. Retrieve the ingredients used in recipe_ID "3"

Query:

SELECT *

FROM Ingredient

WHERE Recipe_ID= 3;


```

242 • SELECT *
243 FROM Ingredient
244 WHERE Recipe_ID= 3;
245

```

Result Grid				
Filter Rows:		Edit:		
Export/Import:		Wrap Cell Content:		
	Ingredient_ID	Ingredient_Name	Descriptions	Recipe_ID
▶	503	25 large garlic cloves	finely grated	3
	513	ginger	peeled and finely chopped	3
	515	ground cumin	500gm	3
	521	asparagus tips	400gm	3
	522	peas	use frozen	3
	534	black beans	50gm	3
	537	10 lemon	zested and juiced	3
*	NULL	NULL	NULL	NULL

10. Retrieve users from distinct city's

Query:

```

SELECT distinct City
FROM Users;

```

```
316
317 • SELECT distinct City
318 FROM Users;
319
320
321
322
323
324
```

Result Grid		Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	City			
▶	Mumbai			
	Lakhnow			
	Agra			
	Pune			
	Nashik			

Aggregate Function:

11. Fetch total number of users from various cities

Query:

```
SELECT City, COUNT (*) AS TotalUsers
```

FROM Users
GROUP BY City;

```
307  
308 • SELECT City, COUNT(*) AS TotalUsers  
309 FROM Users  
310 GROUP BY City;  
311  
312  
313  
314  
315  
316
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	City	TotalUsers	
▶	Mumbai	3	
	Lakhnow	1	
	Agra	1	
	Pune	1	
	Nashik	1	

SUB –QUERY:

12. Retrieve the third highest cooking time taken by recipe

Query:

SELECT max(Cook_Time)

FROM Recipe

WHERE Cook_Time < (select max(Cook_Time) from Recipe
where Cook_Time < (select max(Cook_Time) from Recipe));

```
244
245 • SELECT max(Cook_Time)
246 FROM Recipe
247 WHERE Cook_Time < (select max(Cook_Time) from Recipe where Cook_Time < (select max(Cook_Time) from Recipe));
248
249
250
251 -- Retrive the Recipe_ID and Recipe_Name whose recipe has not been commented
252
```

Result Grid

max(Cook_Time)

00:30:00

Filter Rows: | Export: | Wrap Cell Content: [IA](#)

13. Find recipe in a category "Lunch"

Query:

SELECT *

FROM Recipe

WHERE Category_ID IN (SELECT Category_ID FROM
Category WHERE Category_Name = 'Lunch');

```

235 • SELECT *
236 FROM Recipe
237 WHERE Category_ID IN (SELECT Category_ID FROM Category WHERE Category_Name = 'Lunch');
238

```

Result Grid								
Filter Rows: <input type="text"/>								
Edit: Export/Import: Wrap Cell Content:								
	Recipe_ID	Recipe_Name	Prep_time	cook_time	instructions	serving	user_ID	Category_ID
▶	1	Pasta arrabbiata with aubergine	00:08:00	00:35:20	1. Heat the oil in a large non-stick pan, add the onions, cover and cook for 5 mins. ...	2	204	303
	3	Pasta primavera	00:10:00	00:20:00	1. Bring a pan of salted water to the boil and put a steamer (or colander) over the wa...	4	203	303
	5	Penne with cabbage & walnuts	00:10:00	00:15:00	1. Cook the penne in a pan of boiling water for 12 mins until tender.	...	4	201
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

JOIN:

14. Retrieve the number of comments for each recipe

Query:

```

SELECT R.Recipe_Name, COUNT(C.Comment_ID) AS
CommentCount

```

```
FROM Recipe R
LEFT JOIN Comments C ON R.Recipe_ID = C.Recipe_ID
GROUP BY R.Recipe_Name;
```

```
169 • SELECT R.Recipe_Name, COUNT(C.Comment_ID) AS CommentCount
170 FROM Recipe R
171 LEFT JOIN Comments C ON R.Recipe_ID = C.Recipe_ID
172 GROUP BY R.Recipe_Name;
173
174
175
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Recipe_Name	CommentCount		
▶ Pasta arrabbiata with aubergine	1		
Kidney bean curry	1		
Pasta primavera	2		
Vegetarian chilli	1		
Penne with cabbage & walnuts	0		

15. Retrieve all the recipe titles and their author's usernames

Query:

```
SELECT R.Recipe_Name, U.User_name
FROM Recipe R
JOIN Users U ON R.User_ID = U.User_ID;
```

186

187 • **SELECT** R.Recipe_Name, U.User_name

188 **FROM** Recipe R

189 **JOIN** Users U **ON** R.User_ID = U.User_ID;

190

191

192

193

194

Result Grid



Filter Rows:

Export:



Wrap Cell Content:

	Recipe_Name	User_name
▶	Pasta arrabbiata with aubergine	Chinmaee
	Kidney bean curry	Ruhani
	Pasta primavera	Babita
	Vegetarian chilli	Disha
	Penne with cabbage & walnuts	Ruhani

16. Retrieve recipes with a "onion" ingredient in it\

Query:

SELECT R.Recipe_Name, I.Ingredient_Name AS Ingredient

FROM Recipe R





JOIN Ingredient I **ON** R.Recipe_ID = I.Recipe_ID

WHERE Ingredient_Name = 'chili flakes';

```

194
195 • SELECT R.Recipe_Name, I.Ingredient_Name AS Ingredient
196 FROM Recipe R
197 JOIN Ingredient I ON R.Recipe_ID = I.Recipe_ID
198 WHERE Ingredient_Name = 'chilli flakes';
199
200
201
202

```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	Recipe_Name	Ingredient			
▶	Pasta arrabbiata with aubergine	chilli flakes			

17. Retrieve users which didn't posted recipe yet

Query:

```

SELECT U.User_Name, U.User_ID
FROM Users U
LEFT JOIN Recipe R ON U.User_ID = R.User_ID
WHERE R.Recipe_ID IS NULL;

```



```

266 • SELECT U.User_Name, U.User_ID
267 FROM Users U
268 LEFT JOIN Recipe R ON U.User_ID = R.User_ID
269 WHERE R.Recipe ID IS NULL;

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	User_Name	User_ID			
▶	Arshita	202			
	Ishani	206			
	Asha	207			

18. Retrieve User_ID, User_Name and Recipe_ID,
Recipe_Name

Query:

```

(Select U.User_ID, U.User_Name,
R.Recipe_ID, R.Recipe_Name
From Users U

```

Right outer join

Recipe R

On U.User_ID =R. User_ID);

```
288 • (select U.User_ID, U.User_Name,  
289       R.Recipe_ID,R.Recipe_Name  
290   from Users U  
291  right outer join  
292    Recipe R  
293  on U.User_ID =R. User_ID);  
294  
295
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
User_ID	User_Name	Recipe_ID	Recipe_Name
204	Chinmaee	1	Pasta arrabbiata with aubergine
201	Ruhani	2	Kidney bean curry
203	Babita	3	Pasta primavera
205	Disha	4	Vegetarian chilli
201	Ruhani	5	Penne with cabbage & walnuts

DATE AND DAY FUNCTION:

19. Retrieve all users vintage till date

Query:

```
SELECT *, datediff (curdate (), Join_date) as Vintage  
FROM Users;
```

248

249 • **SELECT** *, datediff(curdate(),Join_date) **as** Vintage

250 **FROM** Users;

251

252

Result Grid						
		Filter Rows:		Export:	Wrap Cell Content:	
	User_ID	User_Name	Email	Join_date	City	Vintage
▶	201	Ruhani	rhuhu12@gmail.com	2016-10-12	Mumbai	2522
	202	Arshita	aru04@gmail.com	2018-05-09	Lakhnow	1948
	203	Babita	babita22@gmail.com	2016-04-01	Agra	2716
	204	Chinmaee	chinu28@gmail.com	2020-06-24	Mumbai	1171
	205	Disha	disha78@gmail.com	2021-01-15	Pune	966
	206	Ishani	ishu00@gamil.com	2019-12-06	Nashik	1372
	207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai	1835

20. Retrieve the Joining day of Users as Joining_Day

Query:

```
SELECT *, dayname (Join_Date) as Joining_Day
FROM Users;
```

```

333 • SELECT *, dayname(Join_Date) as Joining_Day
334 FROM Users;
335
336
337
338
339

```

Result Grid						
		Filter Rows:		Export:	Wrap Cell Content:	
	User_ID	User_Name	Email	Join_date	City	Joining_Day
▶	201	Ruhani	rhuhu12@gmail.com	2016-10-12	Mumbai	Wednesday
	202	Arshita	aru04@gmail.com	2018-05-09	Lakhnow	Wednesday
	203	Babita	babita22@gmail.com	2016-04-01	Agra	Friday
	204	Chinmaee	chinu28@gmail.com	2020-06-24	Mumbai	Wednesday
	205	Disha	disha78@gmail.com	2021-01-15	Pune	Friday
	206	Ishani	ishu00@gamil.com	2019-12-06	Nashik	Friday
	207	Asha	aa1225@gmail.caom	2018-08-30	Mumbai	Thursday





Built in SQL – String Functions:

21. Retrieve all Recipe_name in Capital letter

Query:

```
SELECT upper (Recipe_Name)
FROM Recipe;
```

```
300 • SELECT upper(Recipe_Name)
301 FROM Recipe;
302
303
304
305
306
307
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	upper(Recipe_Name)				
▶	PASTA ARRABBIATA WITH AUBERGINE				
	KIDNEY BEAN CURRY				
	PASTA PRIMAVERA				
	VEGETARIAN CHILLI				
	PENNE WITH CABBAGE & WALNUTS				

22. Retrieve all User_Name in small letter

Query:

```
SELECT lower (Recipe_Name)
```

FROM Recipe;

364 • **SELECT** lower(Recipe_Name)

365 **FROM** Recipe;

366

367

368




369

370

371

372

373

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	lower(Recipe_Name)
▶	pasta arrabbiata with aubergine
	kidney bean curry
	pasta primavera
	vegetarian chilli
	penne with cabbage & walnuts

23. Retrieve all character length of Recipe_Name

Query:

SELECT char_length (Recipe_Name) from Recipe;

```
374 • SELECT char_length(Recipe_Name) from Recipe;
```

```
375
```

```
376
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	char_length(Recipe_Name)			
▶	31			
	17			
	15			
	17			
	28			

DDL QUERY:

24. Add column "Ratings" in comment table

Query:

ALTER TABLE Comments

Add column Rating int;

```
383 • ALTER TABLE Comments
```

```
384   add column Rating int;
```

```
385 • select * from comments;
```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Comment_ID	Comments	Recipe_ID	Rating		
▶ 1	My family loved it. I used garlic and other mixed herbs and a squeeze of lemon .. easy to make will do again	3	NULL		
2	Great recipe, but it really needs lemon squeezed over at the end to balance out the creaminess and complement the fresh spring veg and...	3	NULL		
3	I loved this I added a small green chilli for an extra kick	1	NULL		
4	Incredible recipe. Went down a treat at my dinner party	4	NULL		
5	Have made this recipe several times, it has a lot of flavor. Sometimes I add bacon bits or cubed ham. Works really well.	2	NULL		
• NULL	NULL	NULL	NULL		