SQL SELECT STATEMENTS

1) Write a query to fetch all the details of users from table online coding platform?

Query : Select * from users

User_id	Firstname	Lastname	Email_id	Password	Pincode
Bhavya	Sai	Bhavya	bhavya@gmail.com	bhavya	98976
Bot	Mayreddy	Vidya	mayreddyvidya@gmail.com	vidya2002	92748
BSCP	Bopparapu	SaiChandra	bscp@gmail.com	bscp_143	91236
Bunny23	Appies	Srija	appiessrija@gmail.com	srija23	29384
Charan04	Moigari	Charan	charanmoigari@gmail.com	cherry@0405	29384
chimki	mangalpally	chandana	Chandana@gmail.com	chandu13	65463
chimtu	Ambati	Sriya	sriya@gmail.com	Sriya21	12937
Coder	kancherla	Saivamshi	vamshi@gmail.com	Sai@20	10283
Durga	Vadla	DurgaPrasad	durgaprasad@gmail.com	durga123	65463
Hari_15	Namala	HariKrishna	Hari@gmail.com	12345	93749
Model	jada	Nishanth	Nishanthjada@gmail.com	Nishanth143	87641
Yerri06	yerri	Charanya	charanya@gmail.com	Cherry123	29384

2) Write sql query to find the No of questions , Difficulty level from each Topic ?

Query:

Select * from topic;

	Topic_name	No_of_questions	Difficulty_level
1			
2	Arrays	3	easy
3	Backtracking	3	hard
4	Binary search	3	easy
5	Binary Trees	2	hard
6	Bit manipulation	2	medium
7	Depth First search	2	medium
8	Dynamic programmi	1	hard
9	Graph	1	hard
10	Greedy	3	medium
11	Hashing	2	hard
12	Linked Lists	1	medium
13	Queue	2	easy
14	Recursion	3	hard
15	Sorting	3	medium
16	Stacks	2	easy
17	Strings	3	easy
18	Two Pointers	2	medium
19			

3) Write a Sql query to fetch the   problem_id
problem_name , problem_desc from problems table?

Query:

Select * from problems;

Problem_	Problem_name	Problem_description
ACMU01	Ami prime?	check if the given number is prime or not Input :- a number t saying number of t
ACMU02	Nth tribonacci number	The Tribonacci sequence Tn is defined as follows: T0 = 0, T1 = 1, T2 = 1,and Tn+3 =
ACMU03	Kthlargestnumber	Given an integer array nums and an integer k, return the kth largest element in t
ACMU04	Validstring	Given a binary string SS consisting of 0s and 1s, find whether there exists a right
CDR01	XOR array	Find the XOR of an array. Input: A vector array of size n Output: Number, i.e XOR
CDR02	Deepestnodessum	Given the root of a binary tree, return the sum of values of its deepest leaves. In
CDR03	Is graphbipartite?	Given a graph, find whether the graph is Bipartite. Input: A 2d array Output: Boo
CODA01	Welcome world.	Print welcome world
CODA02	BeautifulString	A beautiful string is a string in which the vowel count is equal to the consonant
CODA03	Minimumnoofoperations	You have n boxes. You are given a binary string boxes of length n, where boxes[
CODE01	Binary search	Given an array of integers nums which is sorted in ascending order, and an integ

SQL Clause Statements

1)Write a sql query to find the user_id , rank , ratings of
users whose rank is less than 5?

Query:

Select p.user_id , p.rating , p.ranking from profile as p
where p.rank<5;

User_id	Rating	ranking
bot	4.8	3
bunny23	4.9	2
charan04	5.0	1
coder	4.7	4

2) Write a Sql query to find all the problem_ids where topic from strings or arrays from table belongs_to?

Query :

Select * from belongs_to as b where b.topic_name = 'Arrays' or b.topic_name = 'Strings';

problem_id	Topic_name
CODA02	Arrays
KCR02	Arrays
KCR03	Arrays
CDR02	Strings
CDR03	Strings
CODA03	Strings

Order By , Group by statements

1) Write a sql query to fetch the number of question from each topic and print according to descending order?

Query:

select count(topic_name) as Total_Questions , topic_name from belongs_to group by topic_name order by count(topic_name) desc;

Total_Questions	topic_name
4	Depth First search
3	Arrays
3	Backtracking
3	Binary search
3	Greedy
3	Recursion
3	Sorting
3	Strings
2	Binary Trees
2	Bit manipulation
2	Hashing
2	Two Pointers
1	Dynamic programming
1	Graph
1	Linked Lists
1	Queue
1	Stacks

2) write a sql query to fetch the total marks for all individual contests?

Query:

select contest_id , sum(marks) as total_marks from contest_problems group by contest_id ;

contest_id	total_marks
1	600
2	600
3	500
4	500
5	1100
6	700
7	850

Aggregate Functions

1)Write a Query to find the number of contests attended by each user?

Query:

select user_id , count(user_id) as contests from participates_in group by user_id;

user_id	contests
Bhavya	1
Bot	2
BSCP	2
Bunny23	3
Charan04	3
chimki	2
chimtu	2
Coder	2
Durga	2
Hari_15	1
Model	2
yerri06	2

2) Write a sql query to find the average Total Submissions by all the users in coding platform?

Query:

select avg(total_submissions) from profile;

avg(total_submissions)
1170

Wildcards:

1) Write a sql query to find all the user names whose name ends with 'ya'; ?

Query:

Select lastname from user where lastname like

('%ya');

User_id	Firstname	Lastname	Email_id	Password	Pincode
Bhavya	Sai	Bhavya	bhavya@gmail.com	bhavya	98976
Bot	Mayreddy	Vidya	mayreddyvidya@gmail.com	vidya2002	92748
chimtu	Ambati	Sriya	sriya@gmail.com	Sriya21	12937
Yerri06	yerri	Charanya	charanya@gmail.com	Cherry123	29384

Joins

* Innerjoin *

1)Write a sql query to print the details of user_id,

firstname, lastname , contest_id who participated a contests?

Query:

Select user.user_id , user.firstname , user.lastname , _

in.Contest_id from user inner join participates_in on

participates_in.user_id = user.user_id;

user_id	firstname	lastname	Contest_id
Charan04	Moigari	Charan	1
Yerri06	yerri	Charanya	1
Bunny23	Appies	Srija	1
Bot	Mayreddy	Vidya	2
Coder	kancherla	Saivamshi	2
chimki	mangalpally	chandana	3
Model	jada	Nishanth	3
BSCP	Bopparapu	SaiChandra	3
chimtu	Ambati	Sriya	4
Bhavya	Sai	Bhavya	4
Charan04	Moigari	Charan	4
Bunny23	Appies	Srija	5
Coder	kancherla	Saivamshi	5
Yerri06	yerri	Charanya	5
Durga	Vadla	DurgaPrasad	5
Hari_15	Namala	HariKrishna	5
Bot	Mayreddy	Vidya	5
Charan04	Moigari	Charan	6
BSCP	Bopparapu	SaiChandra	6
Model	jada	Nishanth	6
chimki	mangalpally	chandana	7
chimtu	Ambati	Sriya	7

LeftJoin

2) Write a sql query to find the goodies purchased by all the users?

Query:

select u.user_id , store.ltem_name from user as u left join buys_from as b on b.User_id = u.user_id left join store on b.item_id = store.item_id;

user_id	Item_name
Coder	t-shirt
chimtu	t-shirt
Bunny23	bottle
Bunny23	t-shirt
Charan04	bottle
Charan04	t-shirt
Charan04	bag
Yerri06	bag
Yerri06	bag
chimki	bag
Durga	NULL
Model	NULL
BSCP	NULL
Bot	bag
Hari_15	NULL
Bhavya	NULL

Rightjoin

3)Write a sql query to find the users from all the states?

Query:

select pin.Pincode , pin.State , u.user_id from user as u
right join pin on pin.pincode= u.Pincode;

Pincode	State	user_id
10283	Tokyo	Coder
12937	Assam	chimtu
29384	Telangana	Bunny23
29384	Telangana	Charan04
29384	Telangana	Yerri06
65463	Washington	chimki
65463	Washington	Durga
87641	Shanghai	Model
91236	Geneva	BSCP
92472	Hassen	NULL
92748	Tripura	Bot
93749	Beijing	Hari_15
98976	Islamabad	Bhavya

SubQueries

1)Write a SQL query to to find the problem ids where problems are belongs to more than one topic?

Query:

select problem_id   from problems where problem_id in(select problem_id from belongs_to group by problem_id having count(problem_id)>1);

problem_id
ACMU02
ACMU03
ACMU04
CDR03
CODA02
CODA03
CODE03
CODW02
DZER02
DZER03
KCR01
KCR02
KCR03

2.Write a sql query to find the users who purchased more than one goodie?

Query:

select user_id from user where user_id in (select user_id from buys_from group by user_id having

count(user_id)>1);

user_id
Bunny23
Charan04
Yerri06