

Event Management System

SQL Queries

1) Retrieve all the event has been organized in between '2021-10-01' and '2021-12-31' .

SQL :-

select * from event_detail where start_date between '2021-10-01' and '2021-12-31';

Output:-

	e_id [PK] character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer	start_date date	end_date date	mgr_id character varying (10)	o_id character varying (10)	v_id character varying (10)
1	E01	Birthday Party	Indoor	200	2021-11-19	2021-11-19	M03	O02	V02
2	E03	College Party	Outdoor	120	2021-12-20	2021-12-20	M01	O01	V01
3	E02	Wedding	Indoor	500	2021-11-14	2021-11-14	M02	O03	V04
4	E04	Anniversary	Indoor	200	2021-12-22	2021-12-22	M03	O05	V08
5	E05	Reception	Indoor/Outdoor	500	2021-12-23	2021-12-23	M05	O09	V01
6	E06	Seminar	Indoor	300	2021-12-25	2021-12-25	M02	O01	V07
7	E07	Trade Show	Indoor/Outdoor	1000	2021-12-26	2021-12-30	M01	O10	V05

2) Retrieve all the event that name is 'Birthday Party'.

SQL:-

select * from event_detail where e_name = 'Birthday Party';

Output :-

	e_id [PK] character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer	start_date date	end_date date	mgr_id character varying (10)	o_id character varying (10)	v_id character varying (10)
1	E01	Birthday Party	Indoor	200	2021-11-19	2021-11-19	M03	O02	V02
2	E13	Birthday Party	Indoor/Outdoor	500	2022-01-22	2022-01-22	M02	O07	V12

3) Retrieve all the bill which is unpaid .

SQL:-

select * from invoice_detail where i_status = 'unpaid'

Output:-

	i_id [PK] character varying (10)	electricity_cost integer	staff_cost integer	extra_cost integer	venue_rent integer	food_cost integer	e_id character varying (10)	i_status character varying (10)
1	I02		3500	2000	4000	14000	E02	unpaid
2	I05		4000	2000	1800	12000	E05	unpaid
3	I08		2000	1800	0	14000	E08	unpaid
4	I12		4000	2000	6000	8000	E12	unpaid

4) Find all the event which have more then one day.

SQL:-

```
select * from event_detail where (end_date-start_date + 1) > 1;
```

Output:-

	e_id [PK] character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer	start_date date	end_date date	mgr_id character varying (10)	a_id character varying (10)	v_id character varying (10)
1	E07	Trade Show	Indoor/Outdoor	1000	2021-12-26	2021-12-30	M01	O10	V05
2	E08	Jewellery exhibition	Indoor	800	2022-01-01	2022-01-03	M03	O05	V04
3	E02	Wedding	Indoor	500	2021-11-14	2021-11-22	M02	O03	V04

5) Find all events where event type is Outdoor.

SQL:-

```
select e_id,e_name,e_type,guests_ex,start_date,end_date from event_detail where e_type like '%Outdoor%';
```

Output:-

	e_id [PK] character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer	start_date date	end_date date
1	E03	College Party	Outdoor	120	2021-12-20	2021-12-20
2	E05	Reception	Indoor/Outdoor	500	2021-12-23	2021-12-23
3	E07	Trade Show	Indoor/Outdoor	1000	2021-12-26	2021-12-30
4	E09	Car Show	Outdoor	2000	2022-01-06	2022-01-06
5	E10	Fun Fair	Indoor/Outdoor	400	2022-01-07	2022-01-07
6	E13	Birthday Party	Indoor/Outdoor	500	2022-01-22	2022-01-22

6) Find all event which are held in Surat.

SQL:-

```
select e_id,e_name,e_type,guests_ex from event_detail as e join venue_detail as v on (e.v_id=v.v_id) where v_city='Surat';
```

Output:-

	e_id [PK] character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer
1	E01	Birthday Party	Indoor	200
2	E03	College Party	Outdoor	120
3	E05	Reception	Indoor/Outdoor	500
4	E07	Trade Show	Indoor/Outdoor	1000
5	E12	Wedding	Indoor	200

7) Retrieve event id and invoice id where total bill is greater than 20000

SQL:-

```
select (electricity_cost + extra_cost + food_cost + staff_cost + venue_rent) as total, e_id, i_id from invoice_detail where (electricity_cost + extra_cost + food_cost + staff_cost + venue_rent) > 20000;
```

Output:-

	total integer	e_id character varying (10)	i_id [PK] character varying (10)
1	29500	E02	I02
2	24800	E05	I05
3	32800	E07	I07
4	21800	E08	I08
5	27000	E09	I09
6	25200	E11	I11
7	30000	E12	I12

8) Retrieve event detail which is held in Surat and event has more than 2 days;

SQL:-

```
select e_id,e_name,e_type,guests_ex,start_date,end_date,v.v_id from event_detail as e join venue_detail as v on (e.v_id=v.v_id) where v_city='Surat' and (end_date-start_date + 1) > 1;
```

Output:-

	e_id character varying (10)	e_name character varying (30)	e_type character varying (30)	guests_ex integer	start_date date	end_date date	v_id character varying (10)
1	E07	Trade Show	Indoor/Outdoor	1000	2021-12-26	2021-12-30	V05

9) Give the organizer id , name, event id or name whose bill is unpaid

SQL :-

```
select o.o_id,o.fname, e.e_id, e.e_name from organizer_detail as o join event_detail as e on (o.o_id = e.o_id) join invoice_detail as i on (e.e_id = i.e_id) where i_status='unpaid';
```

Output :-

	o_id character varying (10)	fname character varying (20)	e_id character varying (10)	e_name character varying (30)
1	O09	mohit	E05	Reception
2	O05	jayesh	E08	Jewellery exhibition
3	O03	sultan	E12	Wedding
4	O03	sultan	E02	Wedding

10) Retrieve the data of staff whose work for the event id = E09

SQL:-

```
select * from staff_detail where mgr_sid = (select s_id from event_detail as e join manager_detail as m on (e.mgr_id = m.mgr_id) where e_id = 'E09') ;
```

Output :-

	s_id [PK] character varying (10)	s_fname character varying (20)	s_lname character varying (20)	s_dob date	s_contact bigint	s_email character varying (50)	mgr_sid character varying (10)	gender "char" (1)
1	S13	Clarey	Vedenyapin	1997-08-24	7481965583	cvedenyapin7@state.gov	S11	F
2	S15	Woody	Proom	1991-07-08	1037691283	wproom9@ca.gov	S11	F
3	S18	Carolyn	Albutt	1988-06-24	6379820693	calbuttc@biogtalkradio.com	S11	M

11) Retrieve the event which is held in Ahmedabad and manages under Arjun.

SQL:-

```
select e.e_id, e.e_name, v.v_name from event_detail as e join manager_detail as m on (e.mgr_id = m.mgr_id) join staff_detail as s on (m.s_id = s.s_id) join venue_detail as v on (e.v_id = v.v_id) where s.s_fname = 'Arjun' and v.v_city = 'Ahmedabad';
```

Output :-

	e_id character varying (10)	e_name character varying (30)	v_name character varying (25)
1	E11	Auction	Seema Hall

12) Retrieve organizer contact detail whose event end date is '2021-12-23' And location is in Surat.

SQL :-

```
select oc.* from event_detail as e join venue_detail as v on (e.v_id = v.v_id) join
organizer_detail as o on (e.o_id = o.o_id) join organizer_contact as oc on( oc.c_id =
o.c_id) where v_city = 'Surat' and end_date = '2021-12-23';
```

Output:-

	c_id [PK] character varying (10)	o_phone1 bigint	o_phone2 bigint	o_email1 character varying (50)	o_email2 character varying (50)
1	C09	8185968266	9333991412	mohit055@gmail.com	[null]

13) Retrieve venue which is not booked yet.

SQL :-

```
select * from venue_detail where v_id in(select v_id from venue_detail except (select
distinct v_id from event_detail))
```

Output :-

	v_id [PK] character varying (10)	v_name character varying (25)	v_category character varying	v_contact bigint	v_address character varying	v_city character varying	v_pincode integer	v_rent integer
1	V13	Swagat Party Plot	Outdoor	9964266630	Gandhinagar - ...	Gandhinagar	382421	10000
2	V10	Wedding Point Farm	Indoor/Outdoor	8964823610	Pasodara Road,...	Pasodara	395006	3500
3	V03	Krishna Party Plot	Outdoor	8832776689	BSNL Colony, H...	Vadodara	390022	15000
4	V11	Kum Kum Ac Party Hall	Outdoor	9898818283	1st floor Uday F...	Bharuch	392012	8000

14) Retrieve the organizer who booked the event for more then one.

SQL:-

```
select * from organizer_detail where o_id in ( select o_id from event_detail group by
(o_id) having count(o_id) >1 );
```

Output:-

	o_id [PK] character varying	fname character varying	mname character varying	lname character varying	o_address character varying (50)	o_city character varying	c_id character varying (10)
1	O01	aniket	M	Sarvaiya	603/ Rajhansh Swap...	Surat	C01
2	O03	sultan	s	khatri	12 / abc nagar navap...	ahmedabad	C03
3	O05	jayesh	s	shah	4, Rander Road Ram...	surat	C05

15) Retrieve top 3 bills by highest bill amount.

SQL:-

```
select (electricity_cost + extra_cost + food_cost + staff_cost + venue_rent) as total, e_id,
i_id from invoice_detail order by total desc limit 3;
```

Output :-

	total integer	e_id character varying (10)	i_id [PK] character varying (10)
1	32800	E07	I07
2	30000	E12	I12
3	29500	E02	I02