



Funciones

ACTIVIDAD 05

REALIZAR LOS QUERYS QUE PERMITAN OBTENER LO SIGUIENTE

RollUP

- Obtener el total de gastos generados por cada método de pago en payments

payment_method	sum(amount)
1	351.38
2	10.00
NULL	361.38

payment_method	total
Efectivo	10.00
Tarjeta de Credito	351.38
NULL	361.38

```
select payment_method, sum(amount) from payments group by payment_method with rollup;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	payment_method	sum(amount)
▶	1	351.3800022881478
	2	10
	NULL	361.3800022881478

Result 16

Output

Action Output

#	Time	Action	Message
✓ 1	19:36:39	select payment_method, sum(amount) from payments group by payment_method with rollup	3 row(s) returned

```
select (select name from payment_methods p where p.id = a.payment_method) as payment_method, sum(amount) from payments a group by payment_method with rollup;
```

	payment_method	sum(amount)
▶	Tarjeta de Credito	351.3800022881478
	Efectivo	10
	NULL	361.3800022881478

Result 18 x

Output

Action Output

#	Time	Action	Message
✓ 1	19:37:11	select (select name from payment_methods p where p.id = a.payment_method) as payment_...	3 row(s) returned

- Generar la columna de edad calculada en base a la fecha de cumpleaños de los customer

	customer_id	first_name	last_name	birth_date	Edad
▶	1	Barbara	Lopez	1986-03-28	36 años
	2	Ines	Gomez	1986-04-13	36 años
	3	Alfredo	Borges	1985-02-07	37 años
	4	Amara	Limon	1974-04-14	48 años
	5	Clemente	Hernández	1973-11-07	49 años
	6	María	García	1991-09-04	30 años
	7	Valeria	Martínez	1964-08-30	58 años
	8	Sofia	Pérez	1993-07-17	29 años
	9	Renata	Rodríguez	1992-05-23	30 años
	10	Victoria	Sánchez	1969-10-13	53 años

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```
SELECT customer_id,
       `customers`.`first_name`,
       `customers`.`last_name`,
       `customers`.`birth_date`,
       concat(floor(datediff(now(), customers.birth_date)/365), " años") as edad
FROM `customers`;
```

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

	customer_id	first_name	last_name	birth_date	edad
▶	1	Barbara	Lopez	1986-03-28	35 años
	2	Ines	Gomez	1986-04-13	35 años
	3	Alfredo	Borges	1985-02-07	37 años
	4	Amara	Limon	1974-04-14	47 años
	5	Clemente	Hernández	1973-11-07	48 años
	6	María	García	1991-09-04	30 años
	7	Valeria	Martínez	1964-08-30	57 años
	8	Sofia	Pérez	1993-07-17	28 años
	9	Renata	Rodríguez	1992-05-23	29 años
	10	Victoria	Sánchez	1969-10-13	52 años

Result 10 x

Output

Action Output

#	Time	Action	Message
✓ 1	22:04:07	SELECT customer_id, `customers`.`first_name`, `customers`.`last_name`, `customers`....	10 row(s) returned

REALIZAR LOS QUERYS QUE PERMITAN OBTENER LO SIGUIENTE

- Generar la columna lapso de pago en facturación según la fecha de emisión y la fecha de pago además de mostrar la fecha en formato

local (dd Mes YYYY)

	invoice_id	number	client_id	invoice_total	payment_total	invoice_date	due_date	payment_date	paymet_done
▶	2	03-898-6735	5	175.32	8.18	11 June 2020	01 July 2020	12 February 2020	-120 dias
	6	75-587-6626	1	157.78	74.55	29 January 2020	18 February 2020	03 January 2020	-26 dias
	11	20-848-0181	3	126.15	0.03	07 January 2020	27 January 2020	11 January 2020	4 dias
	13	41-666-1035	5	135.01	87.44	25 June 2020	15 July 2020	26 January 2020	-151 dias
	15	55-105-9605	3	167.29	80.31	25 November 2020	15 December 2020	15 January 2020	-315 dias
	17	33-615-4694	3	126.38	68.10	30 July 2020	19 August 2020	15 January 2020	-197 dias
	18	52-269-9803	5	180.17	42.77	23 May 2020	12 June 2020	08 January 2020	-136 dias

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```
SELECT `invoices`.`invoice_id`,
       `invoices`.`number`,
       `invoices`.`client_id`,
       `invoices`.`invoice_total`,
       `invoices`.`payment_total`,
       date_format(`invoices`.`invoice_date`, "%d %M %Y"),
       date_format(`invoices`.`due_date`, "%d %M %Y"),
       date_format(`invoices`.`payment_date`, "%d %M %Y"),
       concat(datediff(payment_date, invoice_date), ' days') as payment_done from invoices wh
ere payment_date is not null;
```

Result Grid							
Filter Rows:		Export:		Wrap Cell Content:			
ent_id	invoice_total	payment_total	date_format('invoices', 'invoice_date', '%d %M %Y')	date_format('invoices', 'due_date', '%d %M %Y')	date_format('invoices', 'payment_date', '%d %M %Y')	payment_done	
▶	175.32	8.18	11 June 2020	01 July 2020	12 February 2020	-120 days	
	157.78	74.55	29 January 2020	18 February 2020	03 January 2020	-26 days	
	126.15	0.03	07 January 2020	27 January 2020	11 January 2020	4 days	
	135.01	87.44	25 June 2020	15 July 2020	26 January 2020	-151 days	
	167.29	80.31	25 November 2020	15 December 2020	15 January 2020	-315 days	
	126.38	68.10	30 July 2020	19 August 2020	15 January 2020	-197 days	
	180.17	42.77	23 May 2020	12 June 2020	08 January 2020	-136 days	

Result 35 x

Output

Action Output

#	Time	Action	Message	Duration
1	22:53:41	SELECT 'invoices'.invoice_id, 'invoices'.number, 'invoices'.client_id, 'invoices'...	7 row(s) returned	0.000 se

REALIZAR LOS QUERYS QUE PERMITAN OBTENER LO SIGUIENTE

customers

	name	phone
▶	Barbara Lopez	962-625-7744
	Ines Gomez	804-427-9456
	Alfredo Borges	719-724-7869
	Amara Limon	407-231-8017
	Clemente Hernández	Desconocido
	María García	312-480-8498
	Valeria Martínez	615-641-4759
	Sofía Pérez	941-527-3977
	Renata Rodríguez	559-181-3744
	Victoria Sánchez	404-246-3370

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```
select concat(first_name, " ", last_name) as name, ifnull(phone, "Desconocido") as phone f
rom customers;
```

Result Grid

Filter Rows:
Export:
Wrap Cell Content:

	name	phone
▶	Barbara Lopez	962-625-7744
	Ines Gomez	804-427-9456
	Alfredo Borges	719-724-7869
	Amara Limon	407-231-8017
	Clemente Hernández	Desconocido
	María García	312-480-8498
	Valeria Martínez	615-641-4759
	Sofia Pérez	941-527-3977
	Renata Rodríguez	559-181-3744
	Victoria Sánchez	404-246-3370

Result 31

Output :

Action Output

#	Time	Action	Message
✓ 1	22:40:05	select concat(first_name, " ", last_name) as name, ifnull(phone, "Desconocido") as phone fr...	10 row(s) returned