

12. A photography company uses a database to store and manage data about customers, appointments, photographers and invoices.

Sample data from the database is shown below.

Customer				
custID	firstname	surname	phoneNo	postcode
C001	Liam	Miller	05878834723	G68 3JN
C002	Max	Wilson	05318748333	EH1 1DJ
C003	Arran	Jones	05773834934	DD1 8JR
C004	Anabiah	Awan	05934429391	FK8 4RW
C005	Olivia	Waugh	05417723837	G64 3WP
...	...	...	...	...

Appointment						
appID	custID	staffID	appDate	time	location	notes
APP1	C001	P1	14/12/2024	14:00	Victoria Park	Photos of child
APP2	C002	P4	02/02/2025	19:30	Castle	Engagement
APP3	C003	P5	15/02/2025	09:00	Science Museum	Work pictures
APP4	C001	P1	10/03/2025	12:00	Central Park	Family portrait
APP5	C004	P4	15/03/2025	14:00	Cathedral	Wedding photos
...	...	...	...	...	...	...

Photographer				
staffID	fName	sName	email	speciality
P1	Heidi	Colvin	colvin@sqmail.com	Family
P2	Sheikh	Momin	momin@sqmail.com	Fashion
P3	Jayden	Nelson	jnels@sqmail.com	Portrait
P4	Alisha	Hussain	alishah@sqmail.com	Wedding
P5	Fernami	Hardie	hardie@sqmail.com	Event
...	...	...	...	...



\* X 8 1 6 7 6 0 1 1 9 \*

12. (continued)

Invoice				
invoiceID	applD	invoiceDate	cost	status
INV001	APP1	18/12/2024	156.45	Paid
INV002	APP2	10/02/2025	250.00	Paid
INV003	APP3	20/02/2025	100.00	Unpaid
INV004	APP4	16/03/2025	95.00	Paid
INV005	APP5	20/04/2025	650.90	Unpaid
...	...	...	...	...

- (a) Design a query to display the full name of each photographer and the number of appointments that they have in July 2025.

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Field(s) and calculation(s)	
Table(s)	
Search criteria	
Grouping	
Sort order	

12. (continued)

MARKS DO NOT WRITE IN THIS MARGIN

- (b) The photography company is increasing the cost by £20 for appointments where their invoice date was before 31 March 2025 and remains unpaid.

Write the SQL statement that would change the total cost for these appointments.

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- (c) The company would like to display a list showing the highest cost that has been invoiced for each photographer. The expected output is shown below.

fName	sName	Highest cost
Fernami	Hardie	100.00
Alisha	Hussain	650.90

The following SQL statement is not fit for purpose.

```
SELECT fName, sName, MAX(cost) AS [Highest cost]
FROM Invoice, Photographer
WHERE Invoice.appID = Appointment.appID
ORDER BY MAX(cost) ASC;
```

Describe three errors in the above SQL statement.

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Error 1 \_\_\_\_\_

\_\_\_\_\_

Error 2 \_\_\_\_\_

\_\_\_\_\_

Error 3 \_\_\_\_\_

\_\_\_\_\_