Q2) π Country_Name
COUNTRY $\bowtie$

Q1) π Country_Name (σ Severity_level = "Critical"
(THREAT $\bowtie$ INCIDENT $\bowtie$ COUNTRY))

Q2) π TEAM_Name ((π Country_ID, TEAM-ID (σ Resolution_Status = "Resolved"
(ACTION_NAME)))
$\div$ (π Country_ID (COUNTRY))) $\bowtie$ RESPONSE_TEAM

Q3) π COUNTRY_NAME ((π COUNTRY_ID (COUNTRY)) - (π COUNTRY_ID
(RESPONSE_TEAM))) $\bowtie$ COUNTRY

Q4) π THREAT_NAME ((π COUNTRY_ID, THREAT_ID (INCIDENT))
$\div$ (π COUNTRY_ID (COUNTRY))) $\bowtie$ THREAT

Q5). π INCIDENT_ID, COUNTRY_NAME, IMPACT SCORE

$\quad\quad$ (σ CATEGORY = "AI Attack" $\wedge$ IMPACT SCORE > 80

$\quad\quad\quad$ (THREAT $\bowtie$ INCIDENT $\bowtie$ COUNTRY))

Q2) 1. Display names of unavailable items that have a price > 500

$\quad\quad$ SELECT itemName FROM MenuItem WHERE isAvailable = 0 AND
$\quad\quad\quad$ price > 500;

2. Display names of menu items that are either beverages with
$\quad\quad$ price > 30 or desserts (any price). , ~~dessert~~

SELECT itemName FROM MenuItem WHERE (category = 'Beverage' AND price > 300)
OR category = 'Dessert';

3. Display names & prices of menu items that are snacks & currently
$\quad\quad$ available

SELECT itemName, price FROM MenuItem WHERE category = 'Snack' AND
isAvailable = 1;

4. Select available snacks and display their names with prices converted to a
different currency unit (divided by 200).

SELECT itemName, price/100 AS convertedPrice FROM MenuItem WHERE
category = 'Snack' AND IsAvailable = 1;

5. Find all suppliers who supply 'capucino'

```sql
SELECT DISTINCT s.SupplierID FROM Supplier s JOIN MenuItem
m on s.itemID = m.ItemID WHERE m.ItemName = 'Capucino';
```

6. Find employees whose address matches the city where their cafe is located, & display employee names & cafe names

```sql
SELECT e.name, c.cafeName FROM employee e JOIN cafe c
on e.cafeID = c.cafeID WHERE e.address = c.city;
```

7. Select employees whose salary isn't equal to 500, & display their employee IDs.

```sql
SELECT empID FROM EMPLOYEE WHERE salary != 50000;
```

8. Find suppliers in both Karachi & Lahore ~~...~~

```sql
SELECT supplierID FROM supplier WHERE city = 'karachi' INTERSECT
SELECT supplierID FROM supplier WHERE city = 'Lahore';
```

9. Find menu items that are not supplied by any supplier

```sql
SELECT itemName FROM MenuItem WHERE itemID NOT IN
(SELECT itemID FROM SUPPLIES);
```