

Databases and SQL – Ex3**Question 1:**

.a

```

use sakila;

SET SQL_SAFE_UPDATES = 0;
UPDATE film
SET
    original_language_id = FLOOR(RAND() * (6 - 1 + 1) + 1);

SET SQL_SAFE_UPDATES = 1;

```

- b. בגלל שיש טבלה נוספת בסאקילה שנקראת "שפה" ושם הפריימרי קי של השפות נע בין 1 ל 6.

```

SELECT
    f.title,
    l.name AS `language`,
    CASE
        WHEN f.original_language_id = f.language_id THEN 'Same'
        ELSE j.name
    END AS `original_language`
FROM
    film AS f
    INNER JOIN
        `language` AS l ON f.language_id = l.language_id
    INNER JOIN
        `language` AS j ON f.original_language_id = j.language_id
ORDER BY f.film_id;

```

Output →

	title	language	original_language
▶	ACADEMY DINOSAUR	English	Italian
	ACE GOLDFINGER	English	Japanese
	ADAPTATION HOLES	English	French
	AFFAIR PREJUDICE	English	Same
	AFRICAN EGG	English	Italian
	AGENT TRUMAN	English	Japanese
	AIRPLANE SIERRA	English	German

Question 2:

```

SELECT DISTINCT
  c.`name`,
  GROUP_CONCAT(DISTINCT (CONCAT(a.first_name, ' ', a.last_name))) AS actors
FROM
  category AS c
  INNER JOIN
  film_category AS fc
  INNER JOIN
  actor AS a ON fc.category_id = c.category_id
GROUP BY c.category_id;

```

name	actors
Comedy	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Documentary	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Drama	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Family	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Foreign	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Games	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Horror	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Music	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
New	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...
Sci-Fi	ADAM GRANT,ADAM HOPPER,AL GARLAND,ALAN DREY...

Output →