



```
1  -- 5. Time function
2
3  DELIMITER //
4
5  • CREATE FUNCTION YearDifference(input_year INT)
6    RETURNS INT
7    DETERMINISTIC
8  BEGIN
9      DECLARE first_jan_date DATE;
10     DECLARE year_diff INT;
11
12     SET first_jan_date = STR_TO_DATE(CONCAT(input_year, '-01-01'), '%Y-%m-%d');
13     SET year_diff = TIMESTAMPDIFF(YEAR, first_jan_date, CURDATE());
14
15     RETURN year_diff;
16 END //
17
18 DELIMITER ;
19
20 • SELECT
21     Year,
22     YearDifference(Year) AS year_difference
23 FROM disease_cases;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	Year	year_difference
▶	1980	45
	1981	44
	1982	43
	1983	42
	1984	41
	1985	40
	1986	39
	1987	38
	1988	37
	1989	36