
FUNCTIONS II: DATE & TIME

METIS

Date and Time Functions List



Retrieve current date/time

GETDATE

CURRENT_TIMESTAMP

Date calculations

DATEADD

DATEDIFF

Select portion of date/time

YEAR

MONTH

DAY

DATEPART

Date and Time Functions



Date Calculations

DATEADD(day, 15, '2018/03/19') → 2018-04-03 00:00:00.000

DATEDIFF(month, '2016/02/01', '2018/03/19') → 25

Select portion of date/time

YEAR('2018/03/19') → 2018

DAY('2018/03/19') → 19

DATEPART(hour, '2018/03/19 14:56:32') → 14

Date and Time Functions



Question:

How many days has it been since we last received a shipment for each item?

```
SELECT name, last_shipment
       DAYDIFF(day, last_shipment, GETDATE())
       AS days_since_shipment
FROM inventory
ORDER BY days_since_shipment;
```

Date and Time Functions



Question:

How many days has it been since we last received a shipment for each item?

name	last_shipment	days_since_shipment
peacock feather hat	NULL	NULL
leopard-print scarf	NULL	NULL
manatee tank top	2018-03-19	3
bow tie, ants marching	2018-03-19	3
walrus-shaped pillow	2018-03-12	10
gazelle lamp	2018-03-12	10
bedding set, tiger icons	2018-03-12	10
wooly mammoth curtains	2018-03-12	10
giraffe-print bag	2018-02-26	24
elephant tie	2018-02-26	24
tiger t-shirt	2018-01-22	59
zebra-striped pants	2018-01-08	73