ganache-time-traveler is a tool that extends the functionality of Ganache, a widely used Ethereum development blockchain simulator. Ganache provides a local blockchain environment for Ethereum development, allowing developers to test and debug smart contracts without interacting with the actual Ethereum network. ganache-time-traveler adds the ability to manipulate the blockchain's timestamp, advancing it to simulate the passage of time quickly. This feature is especially useful for testing time-dependent smart contract functionalities like token vesting, staking, or auctions.

Example :

```
const { timeTravel, currentTimestamp } = require('ganache-time-traveler');


contract('YourTimeDependentContract', (accounts) => {
  it('should do something after a certain time has passed', async () => {
    const contract = await YourTimeDependentContract.deployed();


    const initialTimestamp = await currentTimestamp();


    // Fast forward 1 day (in seconds)
    await timeTravel(24 * 3600);


    const newTimestamp = await currentTimestamp();


    assert.isAbove(
      newTimestamp.toNumber(),
      initialTimestamp.toNumber() + 24 * 3600,
      'The timestamp should have advanced by at least 1 day'
    );
```

```
  });
});
```

- We import timeTravel and currentTimestamp from ganache-time-traveler.
- We initially get the current timestamp.
- We use timeTravel to advance the timestamp by 24 hours (1 day).
- We then get the new timestamp and assert that it has advanced by at least 1 day.
- We can perform actions in your contract that depend on the time advancing.