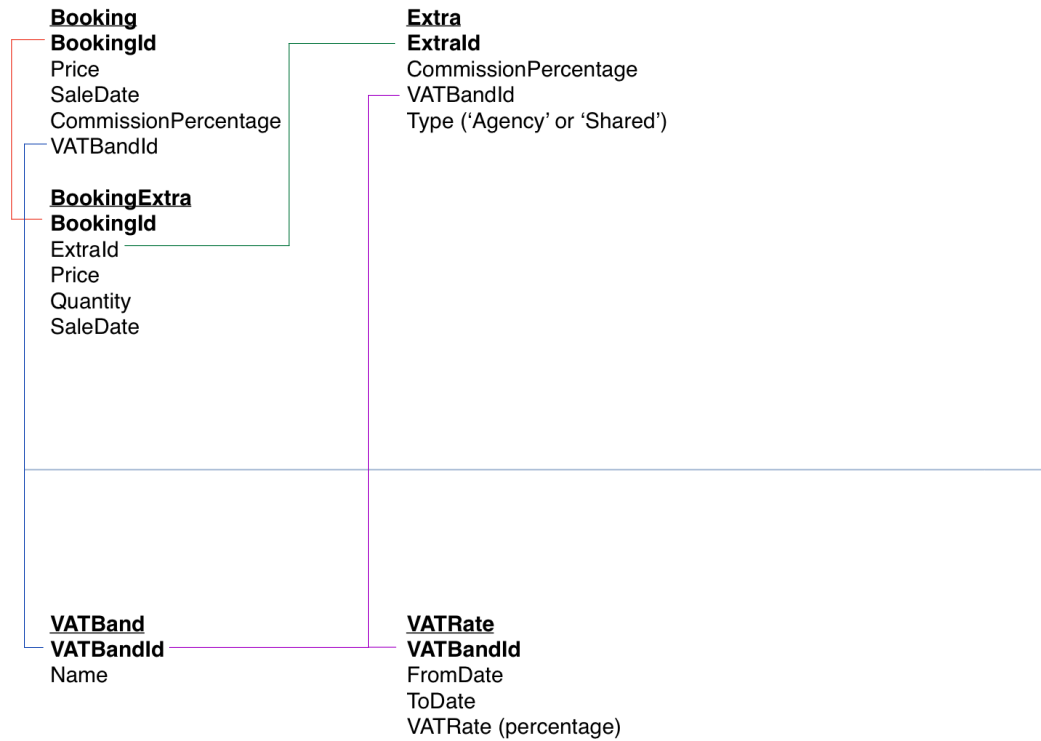


Q4

MySQL



Given the above tables, with primary keys in bold, please write an efficient SQL query to return the following fields:

Booking id
VAT applicable to the booking itself
Total VAT applicable to the extras

Assume that:

VAT is calculated using the rate applicable at the sale date

For extras with type='Agency', VAT is included in the price of the extra

For the booking itself, and extras with type='Shared', VAT is added to the commission

The commission is price * commission percentage

All Primary Key fields are indexed, as are all Foreign Key fields

A Booking may have zero or more BookingExtras, which may have different SaleDates and/or VAT Bands

```
SELECT
    booking.bookingid,
    vatrate.vatrate as bookingVat,
    sum(vatrate.vatrate) as extrasVat
FROM
    Booking,
    VATRate,
    VATBand
WHERE
    Booking.VATBandid = VATBand.VATBandid =VATRate.VATBandid
AND
    extrasVat.VATBandid = Extra.VATBandid
```