tf.keras.backend.batch_normalization

```
batch_normalization(
    x,
    mean,
    var,
    beta,
    gamma,
    epsilon=0.001
)
```

Defined in `tensorflow/python/keras/_impl/keras/backend.py`.

Applies batch normalization on x given mean, var, beta and gamma.

I.e. returns: `output = (x - mean) / (sqrt(var) + epsilon) * gamma + beta`

Arguments:

- `x`: Input tensor or variable.
- `mean`: Mean of batch.
- `var`: Variance of batch.
- `beta`: Tensor with which to center the input.
- `gamma`: Tensor by which to scale the input.
- `epsilon`: Fuzz factor.

Returns:

A tensor.

Last updated November 2, 2017.

English