

handout-2.md

Data types in Code

from block/block.go:

```
type BlockType struct {
    Index      int           // position of this block in the
    Desc       string        // if "genesis" string then this
    ThisBlockHash hash.BlockHashType //
    PrevBlockHash hash.BlockHashType // This is 0 length if this is a
    Nonce       uint64        //
    Seal        hash.SealType //
    MerkleHash   hash.MerkleHashType // AS-03
    Tx          []*transactions.TransactionType // Add Transactions to Block Late
}
```

from transactions/tx.go:

```
type TransactionType struct {
    TxOffset      int           // The position of this in the block.
    Input         []TxInputType // Set of inputs to a transaction
    Output        []TxOutputType // Set of outputs to a transaction
    ...
}

type TxInputType struct {
    BlockNo      int // Which block is this from
    TxOffset     int // The transaction in the block. In the block[BlockHash].Tx[TxC
    TxOutputPos  int // Position of the output in the transaction. In the block[Blc
    Amount       int // Value
}

type TxOutputType struct {
    BlockNo      int           // Which block is this in
    TxOffset     int           // Which transaction in this block. block[this].T
    TxOutputPos  int           // Position of the output in this block. In the b
    Account      addr.AddressType // Acctount funds go to (If this is ""chagne"" the
    Amount       int           // Amoutn to go to accoutn
}
```