Some code template

Some shell code.

Some shell code for a Marlowe contract.

```
When
    [Case
        (Deposit
            (Role "Alice")
            (Role "Alice")
            (Token "" "")
            (Constant 10)
        (When
            [Case
                 (Deposit
                     (Role "Bob")
                     (Role "Bob")
                     (Token "" "")
                     (Constant 10)
                 (When
                     [Case
                         (Choice
                             (ChoiceId
                                  (Role "Charlie")
```

```
[Bound 1 2]
                    (If
                         (ValueEQ
                             (ChoiceValue
                                 (ChoiceId
                                     (Role "Charlie")
                                 ))
                             (Constant 1)
                         )
                         (Pay
                             (Role "Bob")
                             (Account (Role "Alice"))
                             (Token "" "")
                             (Constant 10)
                             Close
                         )
                         (Pay
                             (Role "Alice")
                             (Account (Role "Bob"))
                             (Token "" "")
                             (Constant 10)
                             Close
                     )]
                1682551111000 Close
        1682552111000 Close
    )]
1682553111000 Close
```

Two haskell types.

Some Haskell code.

```
{-# LANGUAGE DataKinds
                                #-}
{-# LANGUAGE ImportQualifiedPost #-}
{-# LANGUAGE NoImplicitPrelude
{-# LANGUAGE TemplateHaskell
                                #-}
module Gift where
import qualified Plutus.V2.Ledger.Api as PlutusV2
                PlutusTx
                                     (BuiltinData, compile)
               Prelude
                                     (I0)
          Utilities
                                     (writeValidatorToFile)
mkGiftValidator :: BuiltinData -> BuiltinData -> BuiltinData -> ()
mkGiftValidator _ _ = ()
{-# INLINABLE mkGiftValidator #-}
validator :: PlutusV2.Validator
validator = PlutusV2.mkValidatorScript $$(PlutusTx.compile
                                       [|| mkGiftValidator ||])
saveVal :: IO ()
saveVal = writeValidatorToFile "./gift.plutus" validator
```

I'm refering to the mkGiftValidator function and the BuiltinData data type.

Some typescript code.

```
),
);
lucid.selectWalletFromSeed(secretSeed);
const addr: Address = await lucid.wallet.address();
console.log(addr);
async function vestFunds(amount: bigint): Promise<TxHash> {
    const dtm: Datum = Data.to<VestingDatum>(datum, VestingDatum);
    const tx = await lucid
      .newTx()
      .payToContract(vestingAddress, { inline: dtm }, { lovelace: amount })
      .complete();
    const signedTx = await tx.sign().complete();
    const txHash = await signedTx.submit();
    return txHash
}
console.log(await vestFunds(100000000n));
```