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
                                  "Winner"
                                 (Role "Charlie")
```

```
Bound 1 2]
                    (If
                         (ValueEQ
                             (ChoiceValue
                                 (ChoiceId
                                     "Winner"
                                     (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.

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

Some typescript code.

```
import {
    Data,
    Lucid,
    Blockfrost,
} from "https://deno.land/x/lucid@0.9.1/mod.ts"
import { secretSeed } from "./seed.ts"
const lucid = await Lucid.new(
  new Blockfrost(
    "https://cardano-preview.blockfrost.io/api/v0",
    "insert your own api key here"
  ),
  "Preview"
);
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));
```