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 FortyTwo where
import qualified Plutus.V2.Ledger.Api as PlutusV2
          PlutusTx
import
                                    (BuiltinData, compile)
                PlutusTx.Builtins
import
                                    as Builtins (mkI)
                PlutusTx.Prelude
import
                                    (otherwise, traceError, (==))
mk42Validator :: BuiltinData -> BuiltinData -> BuiltinData -> ()
mk42Validator _ r _
    r == Builtins.mkI 42 = ()
    otherwise
                         = traceError "expected 42"
validator :: PlutusV2.Validator
validator = PlutusV2.mkValidatorScript $$(PlutusTx.compile)
                                        [|| mk42Validator ||])
saveVal :: IO ()
saveVal = writeValidatorToFile "./redeemer42.plutus" validator
```

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

Some typescript code.

```
"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));
```