```
START Main
    # Constants
    SET MaxSize TO 450
    SET MaxWeight TO 30
   # Customer Info
    SET name TO STR INPUT
    SET address TO STR INPUT
   SET phoneNumber TO STRINPUT
    # Parcels to Collect
    SET parcelsToCollect TO INT INPUT
    LOOP WHILE NOT(1 <= parcelsToCollect AND parcelsToCollect <= 6)
        DISPLAY "invalid input not between 1 and 6"
        SET parcelsToCollect TO INT INPUT
    END LOOP
    # Parcels
    SET parcels TO 0
    SET parcellist TO ARRAY of PARCEL
    LOOP WHILE parcels < parcelsToCollect
        SET parcel TO CreateParcel()
        ADD parcel TO parcelList
        INCREMENT parcels
    END LOOP
    # Customer Details
    DISPLAY "Customer"
    DISPLAY " name
   DISPLAY " " address
    DISPLAY " phoneNumber
    # Parcel Details
    SET parcels TO 0
    SET totalCost TO 0
```

```
LOOP WHILE parcels < parcelsToCollect
        INCREMENT parcels
       DISPLAY "Parcel " parcels
       SET cost TO ParcelCost(parcelList AT parcels)
       # Uncollectable
       IF cost = NULL
           DISPLAY " Cannot be collected"
       # Collectable
        ELSE
           DISPLAY " Cost: £" cost
           # Add additional charges
           IF parcel.tracked
               DISPLAY "
                               Tracking: + £5.00"
               SET cost TO cost + 5
           ENDIF
           IF parcel.signature
               DISPLAY " Signature: + £2.00"
               SET cost TO cost + 2
           ENDIF
           # Show total package cost if additional charges
           IF parcel.tracked OR parcel.signature
               DISPLAY " Total Cost: f" cost
           ENDIF
           SET totalCost TO totalCost + cost
        ENDIF
   END LOOP
   # Overall cost of total collection
   DISPLAY "Collection Cost: f" totalCost
END Main
```

```
# Represents a parcel
STRUCT PARCEL
    height IS INT
    length IS INT
    width IS INT
    weight IS INT
    tracked IS BOOL
    signature IS BOOL
ENDSTRUCT
# Create a single parcel
START CreateParcel()
    SET parcel
    SET parcel.height TO INT INPUT
    SET parcel.length TO INT INPUT
    SET parcel.width TO INT INPUT
    SET parcel.weight TO INT INPUT
    SET parcel.tracked TO BOOL INPUT
    SET parcel.signature TO BOOL INPUT
END CreateParcel RETURN parcel
# Calculate the cost of a parcel
START ParcelCost(parcel IS PARCEL)
SET cost
SET size TO parcel.height + parcel.length + parcel.width
IF size > MaxSize OR parcel.weight > MaxWeight
    cost = NULL
ELSE IF size > 150 OR weight > 15
    cost = 30
ELSE IF size > 95 OR weight > 2
```

cost = 20

ELSE

cost = 5

ENDIF

END ParcelCost RETURN cost