```
CREATE TABLE Adjacent_Stackings
 (
   Molecule    VARCHAR2 (10) NOT NULL ,
   Residue1    VARCHAR2 (10) NOT NULL ,
   Residue2    VARCHAR2 (10) NOT NULL ,
   Descriptions VARCHAR2 (50)
 ) ;
ALTER TABLE Adjacent_Stackings ADD CONSTRAINT AS_PK PRIMARY KEY ( Molecule, Residue1,
Residue2 ) ;


CREATE TABLE Base_Pairs
 (
   Molecule              VARCHAR2 (10) NOT NULL ,
   Program               VARCHAR2 (11) NOT NULL ,
   Residue1              VARCHAR2 (10) NOT NULL ,
   Residue2              VARCHAR2 (10) NOT NULL ,
   "N-Type"              VARCHAR2 (2) NOT NULL ,
   Weight                NUMBER (9,10) ,
   Description           VARCHAR2 (20) ,
   Full_description      VARCHAR2 (50) ,
   "Edge-to-edge_interactions" VARCHAR2 (10) ,
   Glycosidic_bond_orientation VARCHAR2 (10) ,
   Annotation            VARCHAR2 (10) ,
   Local_strand_orientation   VARCHAR2 (20) ,
   OTHERS                VARCHAR2 (50)
 ) ;
ALTER TABLE Base_Pairs ADD CONSTRAINT BP_PK PRIMARY KEY ( Molecule, Program, Residue1,
Residue2 ) ;


CREATE TABLE "Non-Adjacent_Stackings"
 (
   Molecule    VARCHAR2 (10) NOT NULL ,
   Residue1    VARCHAR2 (10) NOT NULL ,
   Residue2    VARCHAR2 (10) NOT NULL ,
   Description VARCHAR2 (50)
 ) ;
ALTER TABLE "Non-Adjacent_Stackings" ADD CONSTRAINT NAS_PK PRIMARY KEY ( Molecule,
Residue1, Residue2 ) ;


CREATE TABLE Residue_Conformations
 (
```

```sql
    Molecule    VARCHAR2 (10) NOT NULL ,
    Residue     VARCHAR2 (10) NOT NULL ,
    Description VARCHAR2 (50)
  ) ;
ALTER TABLE Residue_Conformations ADD CONSTRAINT RC_PK PRIMARY KEY ( Molecule, Residue ) ;


CREATE TABLE Statictics_of_Stackings
  (
    Molecule                VARCHAR2 (10) NOT NULL ,
    Nr_of_stackings         INTEGER NOT NULL ,
    Nr_of_adjacent_stackings    INTEGER NOT NULL ,
    "Nr_of_non-adjacent_stackings" INTEGER NOT NULL
  ) ;
ALTER TABLE Statictics_of_Stackings ADD CONSTRAINT SOS_PK PRIMARY KEY ( Molecule ) ;


CREATE TABLE Statistics_of_Base_Pairs
  (
    Molecule VARCHAR2 (10) NOT NULL ,
    Total    INTEGER NOT NULL ,
    WW_cis   INTEGER NOT NULL ,
    WW_tran  INTEGER NOT NULL ,
    HH_cis   INTEGER NOT NULL ,
    HH_tran  INTEGER NOT NULL ,
    SS_cis   INTEGER NOT NULL ,
    SS_tran  INTEGER NOT NULL ,
    WH_cis   INTEGER NOT NULL ,
    WH_tran  INTEGER NOT NULL ,
    WS_cis   INTEGER NOT NULL ,
    WS_tran  INTEGER NOT NULL
  ) ;
ALTER TABLE Statistics_of_Base_Pairs ADD CONSTRAINT SOBP_PK PRIMARY KEY ( Molecule ) ;


CREATE TABLE Summary_of_higher_multiplets
  (
    Molecule VARCHAR2 (10) NOT NULL ,
    Residue1 VARCHAR2 (10) NOT NULL ,
    Residue2 VARCHAR2 (10) NOT NULL ,
    Residue3 VARCHAR2 (10) NOT NULL ,
    OTHERS   VARCHAR2 (20) NOT NULL
  ) ;
ALTER TABLE Summary_of_higher_multiplets ADD CONSTRAINT SOHM_PK PRIMARY KEY ( Molecule,
Residue1, Residue2, Residue3 ) ;


ALTER TABLE Adjacent_Stackings ADD CONSTRAINT AS_FK FOREIGN KEY ( Molecule ) REFERENCES
Statistics_of_Base_Pairs ( Molecule ) ;

ALTER TABLE Base_Pairs ADD CONSTRAINT BP_FK FOREIGN KEY ( Molecule ) REFERENCES
Statistics_of_Base_Pairs ( Molecule ) ;
```

ALTER TABLE "Non-Adjacent_Stackings" ADD CONSTRAINT NAS_FK FOREIGN KEY (Molecule)
REFERENCES Statistics_of_Base_Pairs (Molecule) ;

ALTER TABLE Residue_Conformations ADD CONSTRAINT RC_FK FOREIGN KEY (Molecule)
REFERENCES Statistics_of_Base_Pairs (Molecule) ;

ALTER TABLE Summary_of_higher_multiplets ADD CONSTRAINT SOHM_FK FOREIGN KEY (Molecule)
REFERENCES Statistics_of_Base_Pairs (Molecule) ;

ALTER TABLE Statictics_of_Stackings ADD CONSTRAINT SOS_FK FOREIGN KEY (Molecule)
REFERENCES Statistics_of_Base_Pairs (Molecule) ;

-- Oracle SQL Developer Data Modeler Summary Report:
--
-- CREATE TABLE   7
-- CREATE INDEX   0
-- ALTER TABLE   13
-- CREATE VIEW   0
-- ALTER VIEW   0
-- CREATE PACKAGE   0
-- CREATE PACKAGE BODY   0
-- CREATE PROCEDURE   0
-- CREATE FUNCTION   0
-- CREATE TRIGGER   0
-- ALTER TRIGGER   0
-- CREATE COLLECTION TYPE   0
-- CREATE STRUCTURED TYPE   0
-- CREATE STRUCTURED TYPE BODY   0
-- CREATE CLUSTER   0
-- CREATE CONTEXT   0
-- CREATE DATABASE   0
-- CREATE DIMENSION   0
-- CREATE DIRECTORY   0
-- CREATE DISK GROUP   0
-- CREATE ROLE   0
-- CREATE ROLLBACK SEGMENT   0
-- CREATE SEQUENCE   0
-- CREATE MATERIALIZED VIEW   0
-- CREATE SYNONYM   0
-- CREATE TABLESPACE   0
-- CREATE USER   0
--
-- DROP TABLESPACE   0
-- DROP DATABASE   0
--
-- REDACTION POLICY   0
-- TSDP POLICY   0
--
-- ORDS DROP SCHEMA   0
-- ORDS ENABLE SCHEMA   0

```
-- ORDS ENABLE OBJECT            0
--
-- ERRORS                 0
-- WARNINGS                  0
```