**Приложение А**

**Экспорт схемы данных.**

CREATE TABLE FIRMA.DOLG

(

ID NUMBER NOT NULL,

NAME VARCHAR2(100 BYTE) NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.DOLG\_PK ON FIRMA.DOLG

(ID)

LOGGING;

ALTER TABLE FIRMA.DOLG ADD (

CONSTRAINT DOLG\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.DOLG\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.EDIZM

(

ID NUMBER NOT NULL,

NAME VARCHAR2(20 BYTE) NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.EDIZM\_PK ON FIRMA.EDIZM

(ID)

LOGGING;

ALTER TABLE FIRMA.EDIZM ADD (

CONSTRAINT EDIZM\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.EDIZM\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.FIRMA9

(

NAME VARCHAR2(500 BYTE) NOT NULL,

URADR VARCHAR2(2000 BYTE) NOT NULL,

PHONE VARCHAR2(100 BYTE) NOT NULL,

IDSCHET NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.FIRMA9\_PK ON FIRMA.FIRMA9

(NAME)

LOGGING;

ALTER TABLE FIRMA.FIRMA9 ADD (

CONSTRAINT FIRMA9\_PK

PRIMARY KEY

(NAME)

USING INDEX FIRMA.FIRMA9\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.IZGOT

(

ID NUMBER NOT NULL,

NAME VARCHAR2(200 BYTE) NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.IZGOT\_PK ON FIRMA.IZGOT

(ID)

LOGGING;

ALTER TABLE FIRMA.IZGOT ADD (

CONSTRAINT IZGOT\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.IZGOT\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.POSTAV

(

ID NUMBER NOT NULL,

NAME VARCHAR2(200 BYTE) NOT NULL,

URADR VARCHAR2(500 BYTE) NOT NULL,

IDSCHET NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.POSTAV\_PK ON FIRMA.POSTAV

(ID)

LOGGING;

ALTER TABLE FIRMA.POSTAV ADD (

CONSTRAINT POSTAV\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.POSTAV\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.SCHET

(

ID NUMBER NOT NULL,

BANK VARCHAR2(200 BYTE) NOT NULL,

NUM VARCHAR2(100 BYTE) NOT NULL,

STATUS CHAR(1 BYTE) NOT NULL,

DATA DATE NOT NULL,

CREDIT CHAR(1 BYTE) NOT NULL,

SUMMA NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

ALTER TABLE FIRMA.SCHET ADD (

PRIMARY KEY

(ID)

ENABLE VALIDATE);

CREATE TABLE FIRMA.SKLAD

(

ID NUMBER NOT NULL,

ADR VARCHAR2(200 BYTE) NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.SKLAD\_PK ON FIRMA.SKLAD

(ID)

LOGGING;

ALTER TABLE FIRMA.SKLAD ADD (

CONSTRAINT SKLAD\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.SKLAD\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.SOTRUD

(

ID NUMBER NOT NULL,

FIO VARCHAR2(200 BYTE) NOT NULL,

DOLG NUMBER NOT NULL,

OBRAZ VARCHAR2(100 BYTE) NOT NULL,

OKLAD NUMBER NOT NULL,

DATA DATE NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.SOTRUD\_PK ON FIRMA.SOTRUD

(ID)

LOGGING;

ALTER TABLE FIRMA.SOTRUD ADD (

CONSTRAINT SOTRUD\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.SOTRUD\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.TOAD\_PLAN\_TABLE

(

STATEMENT\_ID VARCHAR2(30 BYTE),

PLAN\_ID NUMBER,

TIMESTAMP DATE,

REMARKS VARCHAR2(4000 BYTE),

OPERATION VARCHAR2(30 BYTE),

OPTIONS VARCHAR2(255 BYTE),

OBJECT\_NODE VARCHAR2(128 BYTE),

OBJECT\_OWNER VARCHAR2(30 BYTE),

OBJECT\_NAME VARCHAR2(30 BYTE),

OBJECT\_ALIAS VARCHAR2(65 BYTE),

OBJECT\_INSTANCE INTEGER,

OBJECT\_TYPE VARCHAR2(30 BYTE),

OPTIMIZER VARCHAR2(255 BYTE),

SEARCH\_COLUMNS NUMBER,

ID INTEGER,

PARENT\_ID INTEGER,

DEPTH INTEGER,

POSITION INTEGER,

COST INTEGER,

CARDINALITY INTEGER,

BYTES INTEGER,

OTHER\_TAG VARCHAR2(255 BYTE),

PARTITION\_START VARCHAR2(255 BYTE),

PARTITION\_STOP VARCHAR2(255 BYTE),

PARTITION\_ID INTEGER,

OTHER LONG,

DISTRIBUTION VARCHAR2(30 BYTE),

CPU\_COST INTEGER,

IO\_COST INTEGER,

TEMP\_SPACE INTEGER,

ACCESS\_PREDICATES VARCHAR2(4000 BYTE),

FILTER\_PREDICATES VARCHAR2(4000 BYTE),

PROJECTION VARCHAR2(4000 BYTE),

TIME INTEGER,

QBLOCK\_NAME VARCHAR2(30 BYTE),

OTHER\_XML CLOB

)

LOB (OTHER\_XML) STORE AS BASICFILE (

TABLESPACE USERS

ENABLE STORAGE IN ROW

CHUNK 8192

RETENTION

NOCACHE

LOGGING

STORAGE (

INITIAL 64K

NEXT 1M

MINEXTENTS 1

MAXEXTENTS UNLIMITED

PCTINCREASE 0

BUFFER\_POOL DEFAULT

))

LOGGING

NOCOMPRESS

NOCACHE;

CREATE TABLE FIRMA.TOVAR

(

ID NUMBER NOT NULL,

NAIM VARCHAR2(200 BYTE) NOT NULL,

IDEDIZM NUMBER NOT NULL,

CENA NUMBER NOT NULL,

IDPOSTAV NUMBER NOT NULL,

NSKLAD NUMBER NOT NULL,

SORT INTEGER NOT NULL,

IDIZGOT NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.TOVAR\_PK ON FIRMA.TOVAR

(ID)

LOGGING;

ALTER TABLE FIRMA.TOVAR ADD (

CONSTRAINT CBN1

CHECK (cena>0)

ENABLE VALIDATE

, CONSTRAINT TOVAR\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.TOVAR\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.TRANSPORT

(

ID NUMBER NOT NULL,

NOMER VARCHAR2(30 BYTE) NOT NULL,

MARKA VARCHAR2(100 BYTE) NOT NULL,

GRUZ NUMBER NOT NULL,

GOD NUMBER NOT NULL,

FIO VARCHAR2(200 BYTE) NOT NULL,

DATA DATE NOT NULL,

NSKLAD NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.TRANSPORT\_PK ON FIRMA.TRANSPORT

(ID)

LOGGING;

ALTER TABLE FIRMA.TRANSPORT ADD (

CONSTRAINT GBN1

CHECK (gruz>0)

ENABLE VALIDATE

, CONSTRAINT GBN2

CHECK (god>0)

ENABLE VALIDATE

, CONSTRAINT TRANSPORT\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.TRANSPORT\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.ZAKAZ

(

ID NUMBER NOT NULL,

IDCLIENT NUMBER NOT NULL,

IDTOVAR NUMBER NOT NULL,

DATA DATE NOT NULL,

KOLVO NUMBER NOT NULL,

OPL NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.ZAKAZ\_PK ON FIRMA.ZAKAZ

(ID)

LOGGING;

ALTER TABLE FIRMA.ZAKAZ ADD (

CONSTRAINT KBN2

CHECK (kolvo>0)

ENABLE VALIDATE

, CONSTRAINT ZAKAZ\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.ZAKAZ\_PK

ENABLE VALIDATE);

-- There is no statement for index FIRMA.SYS\_C007200.

-- The object is created when the parent object is created.

CREATE SEQUENCE FIRMA.CLIENT\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.DOLG\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.DOLG\_TRG

BEFORE INSERT

ON FIRMA.DOLG

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := DOLG\_SEQ.nextval;

END DOLG\_TRG;

/

CREATE SEQUENCE FIRMA.EDIZM\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.EDIZM\_TRG

BEFORE INSERT

ON FIRMA.EDIZM

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := EDIZM\_SEQ.nextval;

END EDIZM\_TRG;

/

CREATE SEQUENCE FIRMA.IZGOT\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.IZGOT\_TRG

BEFORE INSERT

ON FIRMA.IZGOT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := IZGOT\_SEQ.nextval;

END IZGOT\_TRG;

/

CREATE SEQUENCE FIRMA.NAKLAD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.POSTAV\_SEQ

START WITH 1021

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.POSTAV\_TRG

BEFORE INSERT

ON FIRMA.POSTAV

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := POSTAV\_SEQ.nextval;

END POSTAV\_TRG;

/

CREATE SEQUENCE FIRMA.SCHET\_SEQ

START WITH 1021

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.SCHET\_TRG

BEFORE INSERT

ON FIRMA.SCHET

REFERENCING NEW AS NEW OLD AS OLD

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SCHET\_SEQ.nextval;

if :new.summa>0

then

:new.credit:='Y';

else

:new.credit:='N';

end if;

END SCHET\_TRG;

/

CREATE SEQUENCE FIRMA.SKLAD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.SKLAD\_TRG

BEFORE INSERT

ON FIRMA.SKLAD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SKLAD\_SEQ.nextval;

END SKLAD\_TRG;

/

CREATE SEQUENCE FIRMA.SOTRUD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.SOTRUD\_TRG

BEFORE INSERT

ON FIRMA.SOTRUD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SOTRUD\_SEQ.nextval;

END SOTRUD\_TRG;

/

CREATE SEQUENCE FIRMA.TOVAR\_SEQ

START WITH 41

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.TOVAR\_TRG

BEFORE INSERT

ON FIRMA.TOVAR

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := TOVAR\_SEQ.nextval;

END TOVAR\_TRG;

/

CREATE SEQUENCE FIRMA.TRANSPORT\_SEQ

START WITH 1

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.TRANSPORT\_TRG

BEFORE INSERT

ON FIRMA.TRANSPORT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := TRANSPORT\_SEQ.nextval;

END TRANSPORT\_TRG;

/

CREATE SEQUENCE FIRMA.ZAKAZ2\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.ZAKAZ\_TRG

BEFORE INSERT

ON FIRMA.ZAKAZ

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := ZAKAZ2\_SEQ.nextval;

END ZAKAZ\_TRG;

/

CREATE TABLE FIRMA.CLIENT

(

ID NUMBER NOT NULL,

FIO VARCHAR2(200 BYTE) NOT NULL,

ADR VARCHAR2(500 BYTE) NOT NULL,

IDSCHET NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.CLIENT\_PK ON FIRMA.CLIENT

(ID)

LOGGING;

ALTER TABLE FIRMA.CLIENT ADD (

CONSTRAINT CLIENT\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.CLIENT\_PK

ENABLE VALIDATE);

CREATE TABLE FIRMA.NAKLAD

(

ID NUMBER NOT NULL,

IDTOVAR NUMBER NOT NULL,

KOLVO NUMBER NOT NULL,

SUMMA NUMBER NOT NULL,

IDCLIENT NUMBER NOT NULL

)

LOGGING

NOCOMPRESS

NOCACHE;

CREATE UNIQUE INDEX FIRMA.NAKLAD\_PK ON FIRMA.NAKLAD

(ID)

LOGGING;

ALTER TABLE FIRMA.NAKLAD ADD (

CONSTRAINT KBN1

CHECK (kolvo>0)

ENABLE VALIDATE

, CONSTRAINT SBN1

CHECK (summa>0)

ENABLE VALIDATE

, CONSTRAINT NAKLAD\_PK

PRIMARY KEY

(ID)

USING INDEX FIRMA.NAKLAD\_PK

ENABLE VALIDATE);

CREATE OR REPLACE TRIGGER FIRMA.CLIENT\_TRG

BEFORE INSERT

ON FIRMA.CLIENT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := CLIENT\_SEQ.nextval;

END CLIENT\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.NAKLAD\_TRG

BEFORE INSERT

ON FIRMA.NAKLAD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := NAKLAD\_SEQ.nextval;

END NAKLAD\_TRG;

/

ALTER TABLE FIRMA.FIRMA9 ADD (

CONSTRAINT FIRMFKSCHET

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.POSTAV ADD (

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.SOTRUD ADD (

CONSTRAINT SOTRUDFKDOLG

FOREIGN KEY (DOLG)

REFERENCES FIRMA.DOLG (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

FOREIGN KEY (IDIZGOT)

REFERENCES FIRMA.IZGOT (ID)

ENABLE VALIDATE

, FOREIGN KEY (IDPOSTAV)

REFERENCES FIRMA.POSTAV (ID)

ENABLE VALIDATE

, FOREIGN KEY (NSKLAD)

REFERENCES FIRMA.SKLAD (ID)

ENABLE VALIDATE

, CONSTRAINT TOVARFKEDIZM

FOREIGN KEY (IDEDIZM)

REFERENCES FIRMA.EDIZM (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TRANSPORT ADD (

FOREIGN KEY (NSKLAD)

REFERENCES FIRMA.SKLAD (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.ZAKAZ ADD (

FOREIGN KEY (IDCLIENT)

REFERENCES FIRMA.CLIENT (ID)

ENABLE VALIDATE

, FOREIGN KEY (IDTOVAR)

REFERENCES FIRMA.TOVAR (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.CLIENT ADD (

CONSTRAINT CLIENTFKSCHET

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD ADD (

FOREIGN KEY (IDCLIENT)

REFERENCES FIRMA.CLIENT (ID)

ENABLE VALIDATE

, FOREIGN KEY (IDTOVAR)

REFERENCES FIRMA.TOVAR (ID)

ENABLE VALIDATE);

GRANT DELETE, INSERT, SELECT, UPDATE ON FIRMA.TOAD\_PLAN\_TABLE TO PUBLIC;

/\* Formatted on 02/06/2021 10:37:07 (QP5 v5.360) \*/

CREATE OR REPLACE FORCE VIEW FIRMA.V\_A

(

N,

D,

S

)

AS

SELECT name n, data d, summa s

FROM schet s, firma9 f

WHERE f.idschet = s.id AND s.data >= '13/07/2006' AND s.credit = 'Y'

UNION

SELECT name n, data d, summa s

FROM schet s, postav f

WHERE f.idschet = s.id AND s.data >= '13/07/2006' AND s.credit = 'Y'

UNION

SELECT fio n, data d, summa s

FROM schet s, client f

WHERE f.idschet = s.id AND s.data >= '13/07/2006' AND s.credit = 'Y';

/\* Formatted on 02/06/2021 10:37:07 (QP5 v5.360) \*/

CREATE OR REPLACE FORCE VIEW FIRMA.V\_B

(

URADR,

PHONE

)

AS

SELECT uradr, phone FROM firma9;

/\* Formatted on 02/06/2021 10:37:07 (QP5 v5.360) \*/

CREATE OR REPLACE FORCE VIEW FIRMA.V\_C

(

ID,

FIO,

DOLG,

OBRAZ,

OKLAD,

DATA

)

AS

SELECT "ID",

"FIO",

"DOLG",

"OBRAZ",

"OKLAD",

"DATA"

FROM sotrud

WHERE data = '21/07/2018';

/\* Formatted on 02/06/2021 10:37:07 (QP5 v5.360) \*/

CREATE OR REPLACE FORCE VIEW FIRMA.V\_D

(

NAME,

SUMMA

)

AS

SELECT p.name, s.summa

FROM postav p, schet s

WHERE s.id = p.idschet AND s.Credit = 'Y' AND s.summa > 379;

/\* Formatted on 02/06/2021 10:37:07 (QP5 v5.360) \*/

CREATE OR REPLACE FORCE VIEW FIRMA.V\_E

(

FIO,

ADR

)

AS

SELECT c.fio, c.adr

FROM client c, zakaz z

WHERE z.idclient = c.id AND z.data = '02/11/2020';

ALTER TABLE FIRMA.DOLG MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.DOLG MODIFY

NAME NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.DOLG ADD (

CONSTRAINT DOLG\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.EDIZM MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.EDIZM MODIFY

NAME NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.EDIZM ADD (

CONSTRAINT EDIZM\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.FIRMA9 MODIFY

NAME NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.FIRMA9 MODIFY

URADR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.FIRMA9 MODIFY

PHONE NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.FIRMA9 MODIFY

IDSCHET NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.FIRMA9 ADD (

CONSTRAINT FIRMA9\_PK

PRIMARY KEY

(NAME)

ENABLE VALIDATE);

ALTER TABLE FIRMA.IZGOT MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.IZGOT MODIFY

NAME NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.IZGOT ADD (

CONSTRAINT IZGOT\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.POSTAV MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.POSTAV MODIFY

NAME NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.POSTAV MODIFY

URADR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.POSTAV MODIFY

IDSCHET NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.POSTAV ADD (

CONSTRAINT POSTAV\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.SCHET MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

BANK NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

NUM NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

STATUS NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

DATA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

CREDIT NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET MODIFY

SUMMA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SCHET ADD (

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.SKLAD MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SKLAD MODIFY

ADR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SKLAD ADD (

CONSTRAINT SKLAD\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.SOTRUD MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD MODIFY

FIO NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD MODIFY

DOLG NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD MODIFY

OBRAZ NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD MODIFY

OKLAD NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD MODIFY

DATA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.SOTRUD ADD (

CONSTRAINT SOTRUD\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

CONSTRAINT CBN1

CHECK (cena>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

NAIM NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

IDEDIZM NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

CENA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

IDPOSTAV NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

NSKLAD NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

SORT NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR MODIFY

IDIZGOT NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TOVAR ADD (

CONSTRAINT TOVAR\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TRANSPORT ADD (

CONSTRAINT GBN1

CHECK (gruz>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TRANSPORT ADD (

CONSTRAINT GBN2

CHECK (god>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TRANSPORT MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

NOMER NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

MARKA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

GRUZ NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

GOD NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

FIO NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

DATA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT MODIFY

NSKLAD NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.TRANSPORT ADD (

CONSTRAINT TRANSPORT\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.ZAKAZ ADD (

CONSTRAINT KBN2

CHECK (kolvo>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.ZAKAZ MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ MODIFY

IDCLIENT NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ MODIFY

IDTOVAR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ MODIFY

DATA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ MODIFY

KOLVO NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ MODIFY

OPL NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.ZAKAZ ADD (

CONSTRAINT ZAKAZ\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.CLIENT MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.CLIENT MODIFY

FIO NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.CLIENT MODIFY

ADR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.CLIENT MODIFY

IDSCHET NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.CLIENT ADD (

CONSTRAINT CLIENT\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD ADD (

CONSTRAINT KBN1

CHECK (kolvo>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD ADD (

CONSTRAINT SBN1

CHECK (summa>0)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD MODIFY

ID NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.NAKLAD MODIFY

IDTOVAR NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.NAKLAD MODIFY

KOLVO NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.NAKLAD MODIFY

SUMMA NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.NAKLAD MODIFY

IDCLIENT NOT NULL

ENABLE VALIDATE;

ALTER TABLE FIRMA.NAKLAD ADD (

CONSTRAINT NAKLAD\_PK

PRIMARY KEY

(ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.FIRMA9 ADD (

CONSTRAINT FIRMFKSCHET

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.POSTAV ADD (

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.SOTRUD ADD (

CONSTRAINT SOTRUDFKDOLG

FOREIGN KEY (DOLG)

REFERENCES FIRMA.DOLG (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

FOREIGN KEY (IDIZGOT)

REFERENCES FIRMA.IZGOT (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

FOREIGN KEY (IDPOSTAV)

REFERENCES FIRMA.POSTAV (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

FOREIGN KEY (NSKLAD)

REFERENCES FIRMA.SKLAD (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TOVAR ADD (

CONSTRAINT TOVARFKEDIZM

FOREIGN KEY (IDEDIZM)

REFERENCES FIRMA.EDIZM (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.TRANSPORT ADD (

FOREIGN KEY (NSKLAD)

REFERENCES FIRMA.SKLAD (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.ZAKAZ ADD (

FOREIGN KEY (IDCLIENT)

REFERENCES FIRMA.CLIENT (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.ZAKAZ ADD (

FOREIGN KEY (IDTOVAR)

REFERENCES FIRMA.TOVAR (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.CLIENT ADD (

CONSTRAINT CLIENTFKSCHET

FOREIGN KEY (IDSCHET)

REFERENCES FIRMA.SCHET (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD ADD (

FOREIGN KEY (IDCLIENT)

REFERENCES FIRMA.CLIENT (ID)

ENABLE VALIDATE);

ALTER TABLE FIRMA.NAKLAD ADD (

FOREIGN KEY (IDTOVAR)

REFERENCES FIRMA.TOVAR (ID)

ENABLE VALIDATE);

CREATE SEQUENCE FIRMA.CLIENT\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.DOLG\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.EDIZM\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.IZGOT\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.NAKLAD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.POSTAV\_SEQ

START WITH 1021

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.SCHET\_SEQ

START WITH 1021

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.SKLAD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.SOTRUD\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.TOVAR\_SEQ

START WITH 41

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.TRANSPORT\_SEQ

START WITH 1

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.ZAKAZ\_SEQ

START WITH 1

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE SEQUENCE FIRMA.ZAKAZ2\_SEQ

START WITH 21

MAXVALUE 999999999999999999999999999

MINVALUE 1

NOCYCLE

CACHE 20

NOORDER;

CREATE OR REPLACE TRIGGER FIRMA.CLIENT\_TRG

BEFORE INSERT

ON FIRMA.CLIENT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := CLIENT\_SEQ.nextval;

END CLIENT\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.DOLG\_TRG

BEFORE INSERT

ON FIRMA.DOLG

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := DOLG\_SEQ.nextval;

END DOLG\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.EDIZM\_TRG

BEFORE INSERT

ON FIRMA.EDIZM

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := EDIZM\_SEQ.nextval;

END EDIZM\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.IZGOT\_TRG

BEFORE INSERT

ON FIRMA.IZGOT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := IZGOT\_SEQ.nextval;

END IZGOT\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.NAKLAD\_TRG

BEFORE INSERT

ON FIRMA.NAKLAD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := NAKLAD\_SEQ.nextval;

END NAKLAD\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.POSTAV\_TRG

BEFORE INSERT

ON FIRMA.POSTAV

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := POSTAV\_SEQ.nextval;

END POSTAV\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.SCHET\_TRG

BEFORE INSERT

ON FIRMA.SCHET

REFERENCING NEW AS NEW OLD AS OLD

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SCHET\_SEQ.nextval;

if :new.summa>0

then

:new.credit:='Y';

else

:new.credit:='N';

end if;

END SCHET\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.SKLAD\_TRG

BEFORE INSERT

ON FIRMA.SKLAD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SKLAD\_SEQ.nextval;

END SKLAD\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.SOTRUD\_TRG

BEFORE INSERT

ON FIRMA.SOTRUD

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := SOTRUD\_SEQ.nextval;

END SOTRUD\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.TOVAR\_TRG

BEFORE INSERT

ON FIRMA.TOVAR

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := TOVAR\_SEQ.nextval;

END TOVAR\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.TRANSPORT\_TRG

BEFORE INSERT

ON FIRMA.TRANSPORT

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := TRANSPORT\_SEQ.nextval;

END TRANSPORT\_TRG;

/

CREATE OR REPLACE TRIGGER FIRMA.ZAKAZ\_TRG

BEFORE INSERT

ON FIRMA.ZAKAZ

REFERENCING NEW AS New OLD AS Old

FOR EACH ROW

BEGIN

-- For Toad: Highlight column ID

:new.ID := ZAKAZ2\_SEQ.nextval;

END ZAKAZ\_TRG;

/