Drop type tp\_nt\_rocha force;

Drop type tp\_estrela force;

Drop type tp\_atmosfera force;

Drop type tp\_planeta force;

Drop type tp\_satelite force;

Drop type tp\_vida force;

Drop type tp\_civilizacao force;

Drop type tp\_pgasoso force;

Drop type tp\_prochoso force;

Drop type tp\_zona\_nao\_habitavel force;

Drop type tp\_galaxia force;

Drop type tp\_possui force;

Drop type tp\_v\_tripulacao force;

Drop type tp\_nave force;

Drop type tp\_viaja force;

Create or replace type tp\_nt\_rocha as table of VARCHAR2(20);

/

Create or Replace type tp\_estrela as object

(

nomeestrela VARCHAR2(20),

temperaturaestrela DECIMAL(8,2),

tamanhoestrela DECIMAL(8,2)

);

/

Create or Replace type tp\_atmosfera as object

(

codigoatmosfera NUMBER,

pressao DECIMAL(8,2),

profundidade DECIMAL(8,2)

);

/

Create or Replace type tp\_planeta as object

(

nomeplaneta VARCHAR2(20),

data\_de\_desc DATE,

ref\_planeta\_colide ref tp\_planeta,

ref\_nomeestrela ref tp\_estrela,

ref\_codigoatmosfera ref tp\_atmosfera,

temperaturaplaneta DECIMAL(8,2)

)Not final;

/

Create or Replace type tp\_satelite as object

(

nomesatelite VARCHAR2(20),

tamanhosatelite DECIMAL(8,2),

composicao VARCHAR2(200),

ref\_nomeplaneta ref tp\_planeta

);

/

Create or Replace type tp\_vida as object

(

especie VARCHAR2(20),

desenvolvimento VARCHAR2(200),

quantidade NUMBER,

ref\_codigoatmosfera ref tp\_atmosfera

);

/

Create or Replace type tp\_civilizacao as object

(

nomecivilizacao VARCHAR2(20),

especie VARCHAR2(20),

ref\_especie ref tp\_vida,

duracao NUMBER,

lugarcivilizacao VARCHAR2(20)

);

/

Create or Replace type tp\_pgasoso under tp\_planeta

(

nomepgasoso VARCHAR(20)

);

/

Create or Replace type tp\_prochoso under tp\_planeta

(

nomeprochoso VARCHAR(20),

rocha tp\_nt\_rocha

);

/

Create or Replace type tp\_zona\_nao\_habitavel as object

(

codigo\_nao\_habitavel NUMBER,

lugar\_nao\_habitavel VARCHAR(20),

distancia DECIMAL(8,2)

);

/

Create or Replace type tp\_galaxia as object

(

nomegalaxia VARCHAR(20),

tamanhogalaxia DECIMAL(8,2),

formatogalaxia VARCHAR2(20)

);

/

Create or Replace type tp\_possui as object

(

nomepgasoso VARCHAR(20),

nomegalaxia VARCHAR(20),

codigo\_nao\_habitavel NUMBER,

ref\_nomepgasoso ref tp\_pgasoso,

ref\_nomegalaxia ref tp\_galaxia,

ref\_codigo\_nao\_habitavel ref tp\_zona\_nao\_habitavel

);

/

Create or Replace type tp\_v\_tripulacao as varray(3) of varchar2(20);

/

Create or Replace type tp\_nave as object

(

numeroserie NUMBER,

modelo VARCHAR(20),

formatonave VARCHAR2(20),

tripulacao tp\_v\_tripulacao

);

/

Create or Replace type tp\_viaja as object

(

numeroserie NUMBER,

nomeprochoso VARCHAR2(20),

estimativa\_tempo NUMBER,

ref\_numeroserie ref tp\_nave,

ref\_nomeprochoso ref tp\_prochoso

);

/