**CREATE** **TABLE** Position **(**

pos\_numb **int** **IDENTITY(**1**,**1**),**

pos\_abbr **Varchar(**20**),**

pos\_title **Varchar(**50**),**

min\_salary **float,**

max\_salary **float,**

training\_id **int,**

**PRIMARY** **KEY** **(**pos\_numb**),**

**FOREIGN** **KEY** **(**`training\_id`**)** **REFERENCES** Training**(**`training\_id`**)**

**)**

**CREATE** **TABLE** Target **(**

target\_code **int** **NOT** **NULL,**

target\_description\_en **Varchar(**255**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**target\_code**)**

**)**

**CREATE** **TABLE** Order\_Method **(**

order\_method\_code **int** **IDENTITY(**1**,**1**),**

order\_method\_en **Varchar(**255**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**order\_method\_code**)**

**)**

**CREATE** **TABLE** Country **(**

country\_code **int** **NOT** **NULL,**

country **Varchar(**50**)** **NOT** **NULL,**

**[language]** **Varchar(**255**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**country\_code**)**

**)**

**CREATE** **TABLE** Promotion **(**

pr\_number **smallInt** **NOT** **NULL,**

date\_start **DateTime,**

date\_end **DateTime,**

**[**description**]** **Varchar(**255**),**

**PRIMARY** **KEY** **(**pr\_number**)**

**)**

**CREATE** **TABLE** Product\_Line **(**

prod\_line\_code **int** **IDENTITY(**1**,**1**),**

prod\_line\_en **Varchar(**80**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**prod\_line\_code**),**

**)**

**CREATE** **TABLE** Return\_Reason **(**

return\_reason\_code **int** **IDENTITY(**1**,**1**),**

return\_description\_en **Varchar(**50**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**return\_reason\_code**)**

**)**

**CREATE** **TABLE** Retailer\_Type **(**

retailer\_type\_code **int** **IDENTITY(**1**,**1**),**

type\_name\_en **Varchar(**255**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**retailer\_type\_code**)**

**)**

**CREATE** **TABLE** Order\_finance **(**

finance\_code **int** **IDENTITY(**1**,**1**),**

finance\_type **Varchar(**10**)** **NOT** **NULL** **CHECK(**finance\_type **IN** **(`**expense `**,** `revenue `**)),**

finance\_description **Varchar(**255**),**

**PRIMARY** **KEY** **(**finance\_code**)**

**)**

**CREATE** **TABLE** Customer **(**

id **int** **IDENTITY(**1**,**1**),**

fname **Varchar(**255**),**

lname **Varchar(**255**),**

**[**address**]** **Varchar(**255**),**

city **Varchar(**40**),**

**[state]** **Varchar(**255**),**

zip **Varchar(**6**),**

phone **Varchar(**20**),**

company\_name **Varchar(**255**),**

**[type]** **Char,**

discount **int,**

max\_quantity\_order **int,**

**PRIMARY** **KEY** **(**id**)**

**)**

**CREATE** **TABLE** Vacation **(**

vac\_id **int** **IDENTITY(**1**,**1**),**

transport **Varchar(**255**),**

duration **int** **NOT** **NULL,**

price **float** **NOT** **NULL,**

min\_people **int** **NOT** **NULL,**

max\_peoeple **int** **NOT** **NULL,**

child\_proof **bit** **NOT** **NULL,**

**PRIMARY** **KEY** **(**vac\_id**)**

**)**

**CREATE** **TABLE** Bonus **(**

bonus\_date **DATE** **NOT** **NULL,**

bonus\_amo **float** **NOT** **NULL,**

emp\_id **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_BONUS**]** **PRIMARY** **KEY** CLUSTERED **([**emp\_id**]** **ASC,** **[**bonus\_date**]** **ASC),**

**FOREIGN** **KEY** **(**`emp\_id`**)** **REFERENCES** Employee**(**`emp\_id`**)**

**)**

**CREATE** **TABLE** Training **(**

training\_id **int** **IDENTITY(**1**,**1**),**

**[year]** **smallInt,**

course **Varchar(**255**),**

pos\_numb **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**training\_id**),**

**FOREIGN** **KEY** **(**`pos\_numb`**)** **REFERENCES** Training**(**`pos\_numb`**)**

**)**

**CREATE** **TABLE** Emp\_Training**(**

training\_id **int** **NOT** **NULL,**

emp\_id **int** **NOT** **NULL,**

**[date]** **date** **NOT** **NULL**

**CONSTRAINT** **[**EMPLOYEE\_VOLGT**]** **PRIMARY** **KEY** CLUSTERED **([**training\_id**]** **ASC,** **[**emp\_id**]** **ASC,** **[date]** **ASC),**

**FOREIGN** **KEY** **(**`training\_id`**)** **REFERENCES** Training**(**`training\_id`**),**

**FOREIGN** **KEY** **(**`emp\_id`**)** **REFERENCES** Employee**(**`emp\_id`**)**

**)**

**CREATE** **TABLE** Pref\_Appraisal **(**

target\_code **int** **NOT** **NULL,**

**[**description**]** **Varchar(**255**)** **NOT** **NULL,**

manager\_id **int** **NOT** **NULL,**

emp\_id **int** **NOT** **NULL,**

**[timestamp]** **DATETIME** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_PREF\_APPRAISAL**]** **PRIMARY** **KEY** CLUSTERED **([**target\_code**]** **ASC,** **[**manager\_id**]** **ASC,** **[**emp\_id**]** **ASC,** **[Timestamp]** **ASC),**

**FOREIGN** **KEY** **(**`emp\_id`**)** **REFERENCES** Employee**(**`emp\_id`**),**

**FOREIGN** **KEY** **(**`manager\_id`**)** **REFERENCES** Employee**(**`emp\_id`**)**

**)**

**CREATE** **TABLE** Employee **(**

emp\_id **int** **IDENTITY(**1**,**1**),**

emp\_first\_name **Varchar(**20**)** **NOT** **NULL,**

emp\_last\_name **Varchar(**20**)** **NOT** **NULL,**

street **Varchar(**100**),**

city **Varchar(**30**),**

**[state]** **Varchar(**2**),**

zip\_Code **Varchar(**10**),**

phone **Varchar(**20**),**

**[**status**]** **Varchar(**2**),**

ss\_number **Varchar(**10**),**

**[**start\_date**]** **DATETIME,**

termination\_date **DATETIME,**

birth\_date **DATETIME,**

bene\_health\_ins **Char,**

bene\_life\_ins **Char,**

bene\_day\_care **Char,**

sex **Char,**

salary **float,**

phone\_work **Varchar(**20**),**

extension **Varchar(**6**),**

fax **Varchar(**20**),**

email **Varchar(**50**),**

cv **Varchar(**50**),**

manager\_id **int,**

branch\_code **int** **NOT** **NULL,**

pos\_numb **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**emp\_id**),**

**FOREIGN** **KEY** **(**`manager\_id`**)** **REFERENCES** Employee**(**`emp\_id`**),**

**FOREIGN** **KEY** **(**`branch\_code`**)** **REFERENCES** Branch**(**`branch\_code`**),**

**FOREIGN** **KEY** **(**`pos\_numb`**)** **REFERENCES** Position**(**`pos\_numb`**)**

**)**

**CREATE** **TABLE** Department **(**

dept\_id **int** **IDENTITY(**1**,**1**),**

dept\_name **Varchar(**255**)** **NOT** **NULL,**

dept\_head\_id **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**dept\_id**),**

**FOREIGN** **KEY** **(**`dept\_head\_id`**)** **REFERENCES** Employee**(**`emp\_id`**)**

**)**

**CREATE** **TABLE** Branch **(**

branch\_code **int** **IDENTITY(**1**,**1**),**

address1 **Varchar(**50**)** **NOT** **NULL,**

address2 **Varchar(**50**),**

city **Varchar(**40**),**

region **Varchar(**50**),**

postal\_zone **Varchar(**10**),**

dept\_id **int** **NOT** **NULL,**

country\_code **int,**

**PRIMARY** **KEY** **(**branch\_code**),**

**FOREIGN** **KEY** **(**`country\_code`**)** **REFERENCES** Country**(**`country\_code`**),**

**FOREIGN** **KEY** **(**`dept\_id`**)** **REFERENCES** Department**(**`dept\_id`**)**

**)**

**CREATE** **TABLE** Product\_Forecast **(**

product\_number **Int,**

**[year]** **smallInt,**

**[month]** **Tinyint,**

expected\_volume **Int,**

**CONSTRAINT** **[**PK\_PRODUCT\_FORECAST**]** **PRIMARY** **KEY** CLUSTERED **([**product\_number**]** **ASC,** **[Year]** **ASC,** **[Month]** **ASC),**

**FOREIGN** **KEY** **(**`product\_number`**)** **REFERENCES** Product**(**`product\_number`**)**

**)**

**CREATE** **TABLE** Inventory **(**

inventory\_year **SmallInt** **NOT** **NULL,**

inventory\_month **Tinyint** **NOT** **NULL,**

product\_number **int** **NOT** **NULL,**

inventory\_count **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_INVENTORY**]** **PRIMARY** **KEY** CLUSTERED **([**inventory\_year**]** **ASC,** **[**inventory\_month**]** **ASC,** **[**product\_number**]** **ASC),**

**FOREIGN** **KEY** **(**`product\_number`**)** **REFERENCES** Product**(**`product\_number`**)**

**)**

**CREATE** **TABLE** Storage **(**

storage\_code **Int** **NOT** **NULL,**

city **Varchar(**50**),**

country\_code **int,**

**PRIMARY** **KEY** **(**storage\_code**),**

**FOREIGN** **KEY** **(**`country\_code`**)** **REFERENCES** Country**(**`country\_code`**)**

**)**

**CREATE** **TABLE** Campaign **(**

pr\_number **smallInt** **NOT** **NULL,**

product\_number **int** **NOT** **NULL,**

discount **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_CAMPAIGN**]** **PRIMARY** **KEY** CLUSTERED **([**pr\_number**]** **ASC,** **[**product\_number**]** **ASC),**

**FOREIGN** **KEY** **(**`product\_number`**)** **REFERENCES** Product**(**`product\_number`**)**

**)**

**CREATE** **TABLE** Product **(**

product\_number **int** **IDENTITY(**1**,**1**),**

introduction\_date **DATE** **NOT** **NULL,**

product\_type\_id **int** **NOT** **NULL,**

production\_cost **Float** **NOT** **NULL,**

margin **Float** **NOT** **NULL,**

product\_image **Varchar(**255**)** **NOT** **NULL,**

product\_name **Varchar(**255**),**

product\_description **Varchar(**255**),**

product\_size **Varchar(**20**)** **CHECK(**product\_size **IN** **(**'x-small'**,** 'small'**,** 'medium'**,** 'large'**,** 'x-large'**,** 'xx-large'**,** 'xxx-large'**)),**

product\_color **Varchar(**255**),**

**PRIMARY** **KEY** **(**product\_number**),**

**FOREIGN** **KEY** **(**`product\_type\_id`**)** **REFERENCES** Product\_type**(**`product\_type\_id`**)**

**)**

**CREATE** **TABLE** Sales\_Target **(**

emp\_id **int** **NOT** **NULL,**

sales\_year **SmallInt** **NOT** **NULL,**

sales\_period **int** **NOT** **NULL,**

retailer\_name **Varchar(**50**)** **NOT** **NULL** **,**

product\_number **int** **NOT** **NULL,**

sales\_target **Float** **NOT** **NULL,**

retailer\_code **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_SALES\_TARGET**]** **PRIMARY** **KEY** CLUSTERED **([**emp\_id**]** **ASC,** **[**sales\_year**]** **ASC,** **[**sales\_period**]** **ASC),**

**FOREIGN** **KEY** **(**`emp\_id`**)** **REFERENCES** Employee**(**`emp\_id`**),**

**FOREIGN** **KEY** **(**`product\_number`**)** **REFERENCES** Product**(**`product\_number`**),**

**FOREIGN** **KEY** **(**`retailer\_code`**)** **REFERENCES** Retailer**(**`retailer\_code`**)**

**)**

**CREATE** **TABLE** Product\_Type **(**

product\_type\_code **int** **IDENTITY(**1**,**1**),**

product\_line\_code **int,**

product\_type\_en **Varchar(**80**)** **NOT** **NULL,**

**PRIMARY** **KEY** **(**product\_type\_code**),**

**FOREIGN** **KEY** **(**`product\_line\_code`**)** **REFERENCES** Product\_Line**(**`product\_line\_code`**)**

**)**

**CREATE** **TABLE** **[Order]** **(**

order\_id **int** **IDENTITY(**1**,**1**),**

retailer\_site\_code **int** **NOT** **NULL,**

emp\_id **int** **NOT** **NULL,**

sales\_branch\_code **int** **NOT** **NULL,**

order\_date **DATETIME** **NOT** **NULL,**

order\_method\_code **int** **NOT** **NULL,**

finance\_code **int,**

region **Varchar(**50**),**

**PRIMARY** **KEY** **(**order\_id**),**

**FOREIGN** **KEY** **(**`emp\_id`**)** **REFERENCES** Employee**(**`emp\_id`**),**

**FOREIGN** **KEY** **(**`order\_method\_code`**)** **REFERENCES** Order\_Method**(**`order\_method\_code`**),**

**FOREIGN** **KEY** **(**`retailer\_site\_code`**)** **REFERENCES** Retailer\_Site**(**`retailer\_site\_code`**),**

**FOREIGN** **KEY** **(**`finance\_code`**)** **REFERENCES** Order\_Finance**(**`finance\_code`**)**

**)**

**CREATE** **TABLE** Order\_Item **(**

order\_id **int** **NOT** **NULL,**

product\_id **int** **NOT** **NULL,**

quantity **SmallInt** **NOT** **NULL,**

ship\_date **DATE** **NOT** **NULL,**

**PRIMARY** **KEY** **(**order\_id**),**

**FOREIGN** **KEY** **(**`order\_id`**)** **REFERENCES** **Order(**`order\_id`**),**

**FOREIGN** **KEY** **(**`product\_id`**)** **REFERENCES** Product**(**`product\_id`**)**

**)**

**CREATE** **TABLE** Returned\_Item **(**

return\_code **int** **NOT** **NULL,**

return\_date **Datetime** **NOT** **NULL,**

order\_detal\_code **int** **NOT** **NULL,**

return\_reason **int** **NOT** **NULL,**

return\_quantity **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**return\_code**),**

**FOREIGN** **KEY** **(**`return\_reason`**)** **REFERENCES** Return\_Reason**(**`return\_reason\_code`**),**

**FOREIGN** **KEY** **(**`order\_detail\_code`**)** **REFERENCES** Order\_item**(**`order\_id`**)**

**)**

**CREATE** **TABLE** Retailer **(**

retailer\_code **int** **IDENTITY(**1**,**1**),**

company\_name **Varchar(**255**)** **NOT** **NULL,**

retailer\_type\_code **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**retailer\_code**),**

**FOREIGN** **KEY** **(**`retailer\_type\_code`**)** **REFERENCES** Retailer\_Type**(**`retailer\_type\_code`**)**

**)**

**CREATE** **TABLE** Retailer\_Site **(**

retailer\_site\_code **int** **IDENTITY(**1**,**1**),**

retailer\_code **int** **NOT** **NULL,**

address1 **Varchar(**50**)** **NOT** **NULL,**

address2 **Varchar(**50**),**

city **Varchar(**40**),**

region **Varchar(**50**),**

postal\_zone **Varchar(**10**),**

country\_code **int,**

active\_indicator **bit,**

**PRIMARY** **KEY** **(**retailer\_site\_code**),**

**FOREIGN** **KEY** **(**`country\_code`**)** **REFERENCES** Country**(**`country\_code`**),**

**FOREIGN** **KEY** **(**`retailer\_code`**)** **REFERENCES** Retailer**(**`retailer\_code`**)**

**)**

**CREATE** **TABLE** Booking **(**

booking\_id **int** **IDENTITY(**1**,**1**),**

transport\_to **Varchar(**255**),**

transport\_from **Varchar(**255**),**

vac\_id **int** **NOT** **NULL,**

**[**start\_date**]** **DATE** **NOT** **NULL,**

**PRIMARY** **KEY** **(**booking\_id**),**

**FOREIGN** **KEY** **(**`vac\_id`**)** **REFERENCES** Vacation**(**`vac\_id`**)**

**)**

**CREATE** **TABLE** Traveller **(**

customer\_id **int** **NOT** **NULL,**

booking\_id **int** **NOT** **NULL,**

iBan **Varchar(**255**),**

birth\_date **DATE** **NOT** **NULL,**

sex **Char** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_TRAVELLER**]** **PRIMARY** **KEY** CLUSTERED **([**customer\_id**]** **ASC,** **[**booking\_id**]** **ASC),**

**FOREIGN** **KEY** **(**`customer\_id`**)** **REFERENCES** Customer**(**`customer\_id`**),**

**FOREIGN** **KEY** **(**`booking\_id`**)** **REFERENCES** Booking**(**`booking\_id`**)**

**)**

**CREATE** **TABLE** Accommodation **(**

acc\_id **int** **IDENTITY(**1**,**1**),**

**[**address**]** **Varchar(**255**)** **NOT** **NULL,**

contact **Varchar(**255**),**

phone\_number **Varchar(**20**)** **NOT** **NULL,**

country\_code **int,**

**PRIMARY** **KEY** **(**acc\_id**),**

**FOREIGN** **KEY** **(**`country\_code`**)** **REFERENCES** Country**(**`country\_code`**)**

**)**

**CREATE** **TABLE** Acc\_vac **(**

acc\_id **int** **NOT** **NULL,**

vac\_id **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_ACC\_VAC**]** **PRIMARY** **KEY** CLUSTERED **([**acc\_id**]** **ASC,** **[**vac\_id**]** **ASC),**

**FOREIGN** **KEY** **(**`acc\_id`**)** **REFERENCES** Accommodation**(**`acc\_id`**),**

**FOREIGN** **KEY** **(**`vac\_id`**)** **REFERENCES** Vacation**(**vac\_id`**)**

**)**

**CREATE** **TABLE** Excursie **(**

ex\_id **int** **NOT** **NULL,**

description **Varchar(**255**),**

price **float** **NOT** **NULL,**

guide\_name **Varchar(**40**),**

guide\_phone **Varchar(**40**),**

vac\_id **int** **NOT** **NULL,**

**PRIMARY** **KEY** **(**ex\_id**),**

**FOREIGN** **KEY** **(**`vac\_id`**)** **REFERENCES** Vacation**(**`vac\_id`**)**

**)**

**CREATE** **TABLE** Vac\_Ex **(**

**int** ex\_id **int** **NOT** **NULL,**

**int** vac\_id **int** **NOT** **NULL,**

**CONSTRAINT** **[**PK\_VAC\_EX**]** **PRIMARY** **KEY** CLUSTERED **([**ex\_id**]** **ASC,** **[**vac\_id**]** **ASC),**

**FOREIGN** **KEY** **(**`ex\_id`**)** **REFERENCES** Excursie**(**`ex\_id`**),**

**FOREIGN** **KEY** **(**`vac\_id`**)** **REFERENCES** Vacation**(**`vac\_id`**)**

**)**