**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\_FirstName **Varchar(**20**)** **NOT** **NULL,**

Emp\_LastName **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** **[**VacEx**]** **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`**)**

**)**