Table Schema:

Create Tables with Integrity Constrains:

a) EMP (empno - primary key, empname, salary, deptname - references entries in a deptname of department table with null constraint, bossno - references entries in an empno of emp table with null constraint)

b) DEPARTMENT (deptname - primary key, floor, phone, empno - references entries in an empno of emp table not null)

c) SALES (salesno - primary key, saleqty, itemname -references entries in a itemname of item table with not null constraint, deptname - references entries in a deptname of department table with not null constraint)

d) ITEM (itemname - primary key, itemtype, itemcolor)

Data For Tables:

Bossno is a reference to the empno

EMP table:

Empno Empname Empsalary Department Bossno

1 Alice 75000 Management -------

2 Ned 45000 Marketing 1

3 Andrew 25000 Marketing 2

4 Clare 22000 Marketing 2

5 Todd 38000 Accounting 1

6 Nancy 22000 Accounting 5

7 Brier 43000 Purchasing 1

8 Sarah 56000 Purchasing 7

9 Sophile 35000 Personnel 1

10 Sanjay 15000 Navigation 3

11 Rita 15000 Books 4

12 Gigi 16000 Clothes 4

13 Maggie 11000 Clothes 4

14 Paul 15000 Equipment 3

15 James 15000 Equipment 3

16 Pat 15000 Furniture 3

17 Mark 15000 Recreation 3

DEPARTMENT:

Deptname Deptfloor Deptphone MgrId

Management 5 34 1

Books 1 81 4

Clothes 2 24 4

Equipment 3 57 3

Furniture 4 14 3

Navigation 1 41 3

Recreation 2 29 4

Accounting 5 35 5

Purchasing 5 36 7

Personnel 5 37 9

Marketing 5 38 2

SALES Table:

Salesno Saleqty itemname Deptname

101 2 Boots-snake proof Clothes

102 1 Pith Helmet Clothes

103 1 Sextant Navigation

104 3 Hat-polar Explorer Clothes

105 5 Pith Helmet Equipment

106 2 Pocket Knife-Nile Clothes

107 3 Pocket Knife-Nile Recreation

108 1 Compass Navigation

109 2 Geo positioning system Navigation

110 5 Map Measure Navigation

111 1 Geo positioning system Books

112 1 Sextant Books

113 3 Pocket Knife-Nile Books

114 1 Pocket Knife-Nile Navigation

115 1 Pocket Knife-Nile Equipment

116 1 Sextant Clothes

117 1 " Equipment

118 1 " Recreation

119 1 " Furniture

120 1 Pocket Knife-Nile "

121 1 Exploring in 10 easy lessons Books

122 1 How to win foreign friends "

123 1 Compass "

124 1 Pith Helmet "

125 1 Elephant Polo stick Recreation

126 1 Camel Saddle Recreation

ITEM table:

Itemname itemtype itemcolor

Pocket Knife-Nile E Brown

Pocket Knife-Avon E Brown

Compass N --

Geo positioning system N --

Elephant Polo stick R Bamboo

Camel Saddle R Brown

Sextant N --

Map Measure N --

Boots-snake proof C Green

Pith Helmet C Khaki

Hat-polar Explorer C White

Exploring in 10 Easy Lessons B --

Hammock F Khaki

How to win Foreign Friends B --

Map case E Brown

Safari Chair F Khaki

Safari cooking kit F Khaki

Stetson C Black

Tent - 2 person F Khaki

Tent -8 person F Khaki