**Sql Database Foundations 2**

2-1

1

a.Table:Books:

Fields:Title, ISBN, year, price

b.Table::Authors

Fields:name, address, URL

c.Table:Publishers

Fields:name, address, phone number, URL

d.Table:Warehouse1

Fields:code, address, phone number

e.Table Warehouse2

Fields:ISBN

f.Table inventory:

Fields:ISBN

g.Table:Customers

Fields:name, address, email-is, phone number

h,Table:Shopping Carts:

Fields:Shopping\_cart\_id, ISBN

j,Table:Checkout

Fields:Billing address, shipping address,shipping type, credit card info, email

2.

a.Tables:Orders

Fields:Products, Quantities, Product details, preferred supplier, stock, reorder

b.Tables:Invoice

Fields:Quantity shipped, backorder, source

c.Table:Payments

Fields:payment, invoice to apply payment to, remaining balance

2-2

1.Determine structure, identify issues, determine scope, save money, identify future problems

2.conceptual models are basic guild;ines for planing, physical models are fully fleshed out with all necessary tables attributes and values

2-3

1-1.Entities;School/University, Department, Faculty, Students, Courses, Attendance

Exams, Faculty logs

2-1.Course:name, time, location, teacher

Departments:name,

Students:Name, Id, Classes, DOB, Address, contact info

Faculty:Name, classes, logs

Academic sessions:Classes, times

Parent informatiiosn:Student Id, Name, phone number, emails

Exam, Name, date , rtime, location, prereqs

2-4

2-4-1

1.Title

2.Name

3.Student ID

Title

Number

2-4-2

2-5-1

1answer is b

2.A person must be born in 1 town

A town may be the birthplace of many people

A Many people must living in a town

A town may be the hometown of many people

Many People may be a visitor of a town

Many towns must be visited by many people

A person may be the mayor of a town

A town may be governed by a person

2-5-2

Course

An Id Must be linked to a name

A name must be linked to an id

Department

An Id must be linked to a name

A name must be linked to an Id

A name may be linked to a head

A head may be linked to a name

2-6

1}Entities:Department, Supervisors, Employees, Projects,

Attributes: Employee ID, project ID,

2)Hairstylists Must have first name, last name, address, phone number, SSN and salary

Hairstylists may have appointments

Clients must have first name, last name, phone number

Clients may have appointment,

3)Teachers must have first name, last name, address, phone number, email

Teachers may have class codes

Courses must have one Id, day, time, classroom and teacher