

**Sample Data for Homework 9**

If data for fields required in your sample database is not provided in this document, feel free to make something up

Test name	Alert thresholds	Normal range
Serum sodium	Value is greater than 140	130 – 140
Serum potassium	Value is greater than 5.5 or less than 4	4 – 5
Total cholesterol	None	0 - 180
Serum HCG	None	0 - 200000
Hemoglobin	Value is greater than 18 or less than 7	9 - 15
INR	Value is greater than 5 or less than 2	2.5 - 4.5
Blood urea nitrogen	Value is greater than 25 or less than 9	12 - 20
Red blood cell (RBC) count	Value is less than 2,000,000 cells per cubic mm	4,000,000 - 5,000,000
White blood cell (WBC) count	Value is less than 1,000 cells per cubic mm or more than 12,000 cells per cubic mm	3000 – 10,000
Urine glucose		

*Note: These numbers are examples and are not intended to be realistic*

Store the information on the following patients:

- i) ID: 00-223-45  
First name: Manuel  
Last Name: Jones  
Date of birth: 1/1/1938  
Gender: Male  
Ordered by: Spencer Lott

Test name	Time performed	Time ordered	Urgency	Sample received time	Result
Serum sodium	1/1/2001 3 pm	1/1/2001 1 pm	3	1/1/2001 1.30 pm	137
Serum potassium	1/1/2001 3 pm	1/1/2001 1 pm	3	1/1/2001 1.30 pm	3.9
Total cholesterol	1/1/2001 4 pm	1/1/2001 1 pm	1	1/1/2001 1.30 pm	220

Alerts:

Alert for low serum potassium sent by page to Dr. Spencer Lott on 1/1/2001 at 3.03

- ii) ID: 00-345-12  
First name: Sumeeta  
Last Name: Sidhu  
Date of birth: 11/30/1965  
Gender: Female  
Ordered by: Spencer Lott

Test name	Time performed	Time ordered	Urgency	Sample received time	Result
Hemoglobin	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	14.8
RBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	4,500,000
WBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	3000
Serum potassium	7/22/2001 11 am	7/21/2001 6 pm	1	7/21/2001 8 pm	4.2

iii) ID: 00-679-56  
 First name: Angela  
 Last Name: Winterbottom  
 Date of birth: 11/30/1971  
 Gender: Female  
 Ordered by: Alicia Stone

Test name	Date performed	Time ordered	Urgency	Sample received time	Result
HCG	4/6/2001 2.30 pm	4/4/2001 3 pm	1	4/6/2001 7 am	254000
Serum potassium	7/1/2001 9 am	7/1/2001 8.11 am	3	7/1/2001 8.32 am	6
Serum potassium	7/10/2001 10 am	7/10/2001 8 am	3	7/10/2001 8.45 am	6.2

Alerts:

Alert for elevated serum potassium sent by page to Dr. Stone on 7/1/2001 at 9.10 am

iv) ID: 00-543-27  
 First name: Nita  
 Last Name: Hassan  
 Date of birth: 7/28/1969  
 Gender: Female  
 Ordered by: James Jones

Test name	Date performed	Time ordered	Urgency	Sample received time	Result
Blood Urea Nitrogen	5/7/2001 6.01 pm	5/7/2001 4 pm	1	5/7/2001 5.04 pm	27

**Alerts:**

Alert for elevated BUN sent by page to Dr. Jones on 5/7/2001 at 6.22 pm

Physicians

- i. First name: James  
Last Name: Jones  
Date of birth: 6/9/1938  
Gender: Male  
Specialty: Nephrologist
  
- ii. First name: Alicia  
Last Name: Stone  
Date of birth: 8/4/1967  
Gender: Female  
Specialty: Obstetrician
  
- iii. First name: Spencer  
Last Name: Lott  
Date of birth: 2/28/1945  
Gender: Male  
Specialty: Internist

Urgency Levels

Level 1: Normal

Level 2: Urgent

Level 3: Stat