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**King Saud University**

**College of applied studies and community services**

**revision**

**Question**

A program is needed to calculate blood sugar level and diagnosis ***for a 10 patients***.

Then display it on the screen. The program should do the following:

1. ***Prompt the user to enter a patient's:***

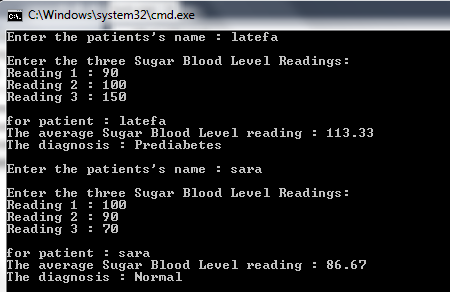
* ***patient's name***
* ***number of blood sugar readings***
* ***blood sugar levels (Store the blood sugar level readings in array)***

1. ***Calculate the average for the sugar readings.***
2. ***diagnose the patient's disease as :***

* If average is between 70 to 107, Diagnosis = Normal.
* If average is between 108 to 126,Diagnosis = Pre-diabetes.
* If average is more than 126, Diagnosis = diabetes.

1. ***Display the patient's name, average readings, and diagnosis.***

**Sample Run examples**



Assume you have 2 sections each section contains number of students.

**Write a *program* that do the following *for each section* :**

* Read the student’s grade from the user.
* Then show wither the student is passed or failed (to pass the course the students grade should be 60 or above).
* Print the **total** and the **average** of the grades along with the **minimum** and **maximum** grades.