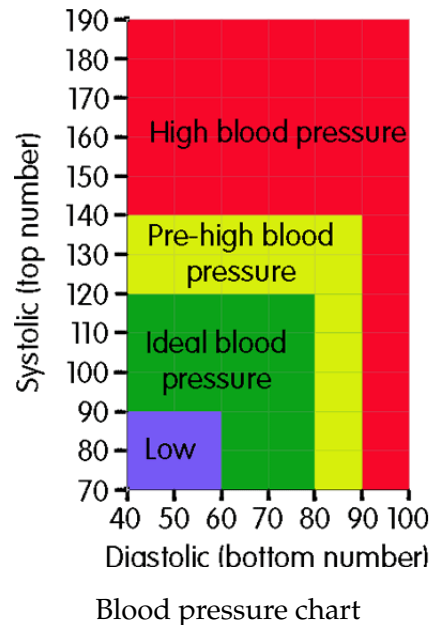


Additional Exercises for Session 2

Case 4. Blood Pressure Checker

Write a program that asks for the user's systolic and diastolic blood pressure, and output one of LOW, IDEAL, PRE-HIGH or HIGH according to the following chart.



[1] :

```
Systolic blood pressure:130
Diastolic blood pressure:90
Your blood pressure is PRE-HIGH
```

Case 5. Blood Sugar Checker

Write a program that asks the user how many hours they have fasted and their current blood sugar level. If they have fasted less than 2 hours, then output You need to fast at least 2 hours to perform this test. If they fasted at least 2 hours but less than 8 hours, then output Your blood sugar level is high if it is more than 140, and Your blood sugar level is normal otherwise. If they have fasted for at least 8 hours, then the threshold changes to 100 (instead of 140).

[2] :

```
How many hours have you fasted: 3
What is your blood sugar level: 150
You blood sugar level is high.
```