Sub:

1. A: This instruction is used to make sure the result of adding two packed BCD numbers is adjusted to be a legal BCD number. The result of the addition must be in AL for DAA to work correctly. If the lower nibble in AL after an addition is greater than 9 or AF was set by the addition, then the DAA instruction will add 6 to the lower nibble.

Example: Here, AL 27H and BH AL 35H is 5CH

∴ assume result = AL = 5CH

digit in the low nibbles of AL = C = 12

∴ (12 - 10) = 2

Keeping 2 and add 1

The higher down nibbles of AL 5+1 = 6

∴ The result is 62H

Sub:

2| CMP

This instruction compares a byte/word in the specified source with a byte/word in the specified destination. The source can be an immediate number, a register, or a memory location. The destination can be also a memory location

Example:

CX = DX	0	0	0h
CX > DX	0	0	1h
CX < DX	0	1	0h

```
CMP AL 000h
CMP BH , CL
CMP CX, TEMP
CMP PRICES [DX], 45H
```