Answer to the question no. 1

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 in AL. If the result in the upper nibble of AL in now greater than 9 or if the carry flag was set by the addition or correction, then the DAA instruction will add 60H to AL.

AL 27H and AL 35H

ADD AL, AL

DAA

Answer to the question no. 2

**CMP AL, 000h**

CMP AL, 000H Compare immediate number 000H with byte in AL

CMP BH, CL Compare byte in CL with byte in BH

CMP CX, TEMP Compare word in DS at displacement TEMP with word at CX

CMP PRICES [BX], 49H Compare immediate number 49H with byte at offset [BX]

in array PRICES

**TEST AL, 001h**

TEST CX, 0001H AND CX with immediate number 0001H;

No result stored; Update PF, SF, ZF

TEST BP, [BX][DI] AND word are offset [BX][DI] in DS with word in BP.

No result stored. Update PF, SF, and ZF