**Requirements**

**Write a program in the assembly language that computes the following arithmetic expression, considering the given data types for the variables.**

**1. a, b, c, d – byte. Expression: (a + d + d) – c + (b + b)**

**2. a, b, c, d – byte. Expression: (a + a) - (b + b) - c**

**3. a, b, c, d – word. Expression: b + c + d + a - (d + c)**

**4. a, b, c, d – word. Expression: (a + c) - (b + b + d)**

**5. a, b, c – byte, d – word. Expression: 3\*[20\*(b-a+2)-10\*c]/5**

**6. a, b, c – byte, d – word. Expression: d+[(a + b) \* 5 - (c + c)\*5]**

**7. a, b, c, d – byte, e, f, g, h – word. Expression: a\*d + b\*c**

**8. a, b, c, d – byte, e, f, g, h – word. Expression: (e+g-2\*b)/c**