Solution for the Sample Midterm
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1) a) False   f) False
    b) False   g) True
    c) False   h) True
    d) False   i) True
    e) False   j) False

2) i) a   iv) c
  ii) d   v) c
  iii) d   vi) b

3) int x = 1, y = 10;
    while (x < y)
     {
       Console.WriteLine("x = {0}, y = {1}", x, y);
       x++;
       y--;
     }

4) a) Loc 1
   b) Loc 3
   c) Loc 4
   d) Loc 2

5) HYELRU

6) public static double RegFee(int year, double weight)
   {
      double fee = 0;
      if (year <= 2000)
        if (weight < 1000)
          fee = 34.50;
        else
          fee = 58.75;
      else
        if (weight <= 1500)
          fee = 45.25;
        else
          fee = 75.00;
      return fee;
   }

```csharp
7) using System;
   public static class CarRegistration
   {
       public static void Main()
       {
           int carYear;
           double carWeight, carFee;
           // Input and validate year of the automobile
           do {
               Console.Write("Enter the year of the automobile (>= 1900) => ");
               carYear = Convert.ToInt32(Console.ReadLine());
           } while (carYear < 1900);
           // Input and validate the weight of the automobile
           do {
               Console.Write("Enter the weight of the automobile (> 0)=> ");
               carWeight = Convert.ToDouble(Console.ReadLine());
           } while (carWeight <= 0);
           // Call RegFee to determine the registration fee
           carFee = RegFee(carYear, carWeight);
           // Output the results
           Console.WriteLine("The registration fee is {0:C}", carFee);
           Console.ReadLine();
       }
   }
```