1. Describe how to transform each of the following loops so that they are parallelizable.

   (a) ```
   int mult = 1;
   for i = 0 to n
       mult = mult * A[i];
   ```

   (b) ```
   for i = 1 to n-1
       for j = 1 to n-1
         A[i,j] = A[i, j-1] + A[i-1, j];
   ```

   (c) ```
   int x = 0;
   for i = 0 to n
     A[i] = x;
     x = x + 3;
   ```

2. How can loop interchange improve the parallel performance of a loop nest?