

```
/*
 * Exercise A
 * ENCM 339 Fall 2005 Tutorial T02, Sept. 27
 *
 * Draw diagrams for point one, first using made-up
 * addresses for all variables, then using arrows to
 * show pointers.
 */
```

```
int main(void)
{
    int x1 = 10000, x2 = 20000,
        x3 = 30000, x4 = 40000;
    int *p1, *p2, *p3, *p4;

    p1 = &x1;
    p2 = &x2;
    p3 = &x3;
    p4 = &x4;

    p1 = p2;
    *p3 = *p4;

    *p1 += 1000;
    *p2 += 100;
    *p3 += 10;
    *p4 += 1;

    /* point one */

    return 0;
}
```

```
/*
 * Exercise B
 * ENCM 339 Fall 2005 Tutorial T02, Sept. 27
 *
 * Draw diagrams for point one, first using made-up
 * addresses for all variables, then using arrows to
 * show pointers.
 */
```

```
void blue(int *a, int b);
void red(int *c, int d);

int main(void)
{
    int x = 111;
    int y = 222;

    red(&x, y);

    return 0;
}

void blue(int *a, int b)
{
    *a *= 10;
    b *= 10;

    /* point one */

    return;
}

void red(int *c, int d)
{
    blue(c, d);
}
```