Draw a box-and-pointer diagram

Practice Problem 1:

```
to indicate what the following
                                                   snippets of code are doing. Also
int main() {
                                                   show what is output.
    int a = 10;
    int b = 20;
    int c = 30;
    int* p1 = &a;
    int* p2 = &b;
    int* p3 = &c;
                                                   Output:
    printf("%i %i %i\n", *p1, *p2, *p3);
    *p3 = 66;
    p3 = p2;
    p2 = p1;
    *p1 = *p1 + 100;
    *p2 = *p2 + 400;
    *p3 = *p3 + 800;
    printf("%i %i %i\n", *p1, *p2, *p3);
    printf("%i %i %i\n", a, b, c);
    return EXIT_SUCCESS;
}
```

Box and pointer diagram (you can just cross out things to show how they change as the code executes):