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// p1 main function that reads 3 integers and outputs the highest one
void main() {
    init i1, i2, i3 as integer;
    i1 = integer_read();
    i2 = integer_read();
    i3 = integer_read();
    check (i1 >= i2 and i1 >= i3) {
        print(i1);
    } else check (i2 >= i1 and i2 >= i3) {
        print(i2);
    } else print(i3);
}

/*
    p2 main function that reads 2 numbers and if they are both odd
    calculates their average(rounded)
*/
void main() {
    init i1, i2 as integer;
    i1 = integer_read();
    i2 = integer_read();
    check (i1 % 2 and i2 % 2) {
        print((i1 + i2) / 2);
    } else {
        print(format("Numbers \d and \d should both be even.", i1,
i2));
    }
}

// p3 main program that prints the sum of n numbers
void main() {
    init in as integer[];
    init n, i, sum as integer;
    n = integer_read();
    i = 0;
    sum = 0;
    loop (check (n > 0)) {
        in[i] = integer_read();
        sum = sum + in[i];
        i = i + 1;
        n = n - 1;
    }
    print(sum);
}

// plerr main function that reads 3 integers and outputs the highest one,
contains 2 errors
void main() {
    init #i1, i2, i3 as integer; // variable names requirements not met
    i1 = integer_read();
    i2 = integer_read();
    i3 = integer_read();
    `check (i1 >= i2 and i1 >= i3) { // `check
        print(i1);
    }
}

```

```
    } else check (i2 >= i1 and i2 >= i1) {  
        print(i2);  
    } else print(i3);  
}
```