

Exercise

Output

```
#include <stdio.h>
int main () {
    int a=10, b=10, c=0;
    a = 5 && (b=c);
    printf ("%d %d %d", a, b, c);
    return 0;
}
```

Output

```
#include <stdio.h>
int main () {
    int a=10, b=10, c=9;
    a = (a-b) || (b=c);
    printf ("%d %d %d", a, b, c);
    return 0;
}
```

Output

```
#include <stdio.h>
int foo(int n) {
    if (n <= 0) return 0;
    return n + foo(n/2) - foo(n-1);
}
int main() {
    printf ("%d", foo(7));
    return 0;
}
```

Output

```
#include <stdio.h>

int main () {
    int S[10], i, n = 10;
    for (i=0; i<n; ++i) S[i] = i;
    for (i = 0; i < n/2; ++i) {
        S[i] += S[n-1-i];
        S[n-1-i] = S[i] - S[n-1-i];
        S[i] -= S[n-1-i];
    }
    for (i=0; i<n; ++i) printf ("%d", S[i]);
    return 0;
}
```

Output

```
#include <stdio.h>

int h ( int a , int b ) {
    a = b - a; return b - a;
}

int main (){
    int a = 9, b = 2;
    a = h(a,b);
    b = h(a,b);
    printf("%d\n", a);
}
```

Output

```
#include <stdio.h>
int n = 10;
void fgh ( int r ) { printf("%d,%d\n",n,r); }
int main (){
    int n = 20;
    fgh(n);
    return 0;
}
```

Output

```
main( ){  
    int numbers[10]={1, 0, 0, 0, 0};  
    int i, j;  
    for (j = 0; j < 5 ; ++j)  
        for (i = 0; i < j; ++i)  
            numbers[j] += numbers[i];  
    for (j = 0; j < 5; ++j)  
        printf("%d ", numbers[j]);  
}
```


Output

```
int main(){  
    int s = 0;  
    while (s++ < 10) {  
        if ((s < 4) && (s < 9)) continue;  
        printf("%d,", s);  
    }  
}
```

Output

```
int A (int m, int n){  
    if (!m) return n + 1;  
    if (!n) return A(m - 1, 1);  
    return A(m - 1, A(m, n - 1));  
}  
main(){  
    printf("A(1,2) = %d", A(1,2));  
}
```

Output

```
main (){  
    int x = 0;  
    if (x == 0)  
        printf("Case (a): %d", x);  
    else if (x == 7)  
        printf("Case (b): %d", x);  
    else printf("Case (c): %d", x);  
}
```

Output

```
int f(int x, int y) {  
    int sum = 0;  
    y--;  
    if (x == 0) return 0;  
    else {  
        printf("%d : ", x);  
        sum = y + f(x - 1, y);  
        printf ("%d : ", sum);  
    }  
    return sum;  
} // f(2,8)=?
```

Output

```
main( ){  
    int numbers[10]={1, 0, 0, 0, 0};  
    int i, j;  
    for (j = 0; j < 5 ; ++j)  
        for (i = 0; i < j; ++i)  
            numbers[j] += numbers[i];  
    for (j = 0; j < 5; ++j)  
        printf(“%d “, numbers[j]);  
}
```