

main.cpp

```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      int x = 1;
8      y = x / 8;
9      cout << y;
10     return 0;
11 }
12
```

Disassembly

Function: main (/home/

test-cb/main.cpp:8)

Frame start: 0xbffffb00

```
6      {
0x804867b    lea    0x4(%esp),%ecx
0x804867f    and    $0xffffffff0,%esp
0x8048682    pushl  -0x4(%ecx)
0x8048685    push   %ebp
0x8048686    mov    %esp,%ebp
0x8048688    push   %ecx
0x8048689    sub    $0x14,%esp
7      int x = 12, y;
0x804868c    movl   $0xc,-0xc(%ebp)
8      y = x / 8;
0x8048693    mov    -0xc(%ebp),%eax
0x8048696    cltd
0x8048697    shr    $0x1d,%edx
0x804869a    add    %edx,%eax
0x804869c    sar    $0x3,%eax
0x804869f    mov    %eax,-0x10(%ebp)
9      cout << y << endl;
0x80486a2    sub    $0x8,%esp
0x80486a5    pushl  -0x10(%ebp)
0x80486a8    push   $0x8049a40
0x80486ad    call   0x8048500 <std::ostream::operator<<(int)&plt>
0x80486b2    add    $0x10,%esp
0x80486b5    sub    $0x8,%esp
```

☒ Mixed Mode

Adjust

Save to text file