

```

int main()
{
    // stuff
    while (fabs(f(x)) > 1.0e-6)
    {
        x = x - f(x)/fp(x);
        ++count;
    }
}

```

program 2
Newton's

```

double f(double x)
{
    return atan(x) - tan(x);
}

double fp(double x)
{
    return 1.0 / (1.0 + x*x) - tan(x)/cos(x)
}

int main()
{

```

```

bool bigger(int a, int b)
{
    return a > b;
}

```

```

count << "there" are
<< count > 1 ? "are" : "is"
<< "item"
<<

```

This is a hint for
program 2