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Subject: Re: U++ can't handle float to string and back for large numbers

Posted by [cbpporter](#) on Tue, 21 Mar 2017 09:52:46 GMT

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Still under investigation, but:

```
double normalize(double d, int& exp)
{
  if(IsNull(d) || d == 0)
  {
    exp = Null;
    return d;
  }
  bool sign = (d < 0);
  if(sign) d = -d;
  exp = minmax<int>(ilog10(d), -308, +308); // 8-byte double!
  d /= ipow10(exp);
  if(d >= 10) { d /= 10; exp++; }
  if(d < 1) { d *= 10; exp--; }
  return sign ? -d : d;
}
```

Looks like fixes the problem. This, and adding special case to suppress the inherent U++ IsNull mechanic. And some custom work to handle infinite better.

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