
Subject: Check string[i] for content
Posted by [Wolfgang](#) on Wed, 23 Nov 2011 12:51:36 GMT
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Hello,

i try to make something like a parser....

```
void curve::term_op1(String &term, String &newterm, int &pos)
{
    String justOne = term.Mid(pos,1);

    if (justOne.IsEqual("+"))
    {
        newterm << " + ";
        pos++;
    } else if (justOne.IsEqual("-"))
    {
        newterm << " - ";
        pos++;
    } else
    {
        if (IsDigit(justOne))
        { /* should trigger if it is a number 0-9) */
            newterm << " INT (" << justOne << ") ";
            pos++;
        } else
        {
            newterm << " Something else (" << justOne << ") ";
            pos++;
        }
    }
}
```

Of course the "IsDigit" does not work.... can someone tell me how to do this... maybe without a String with 1 character in it (i think its really bad to do it this way?)

Thanks!

Best regards,
Wolfgang

Subject: Re: Check string[i] for content
Posted by [cbpporter](#) on Wed, 23 Nov 2011 13:06:09 GMT

If you are doing it this way, why not use character based comparison. A string with length 1 is completely different from a character:

```
void term_op1(String &term, String &newterm, int &pos)
{
    char justOne = term[pos];

    if (justOne == '+')
    {
        newterm << " + ";
        pos++;
    } else if (justOne == '-')
    {
        newterm << " - ";
        pos++;
    } else
    {
        if (IsDigit(justOne))
        { /* should trigger if it is a number 0-9) */
            newterm << " INT (" << justOne << ") ";
            pos++;
        } else
        {
            newterm << " Something else (" << justOne << ") ";
            pos++;
        }
    }
}
```

Also, check out CParser class. It is very powerful.

PS: I did not check you code, only made it compile .

Subject: Re: Check string[i] for content
Posted by [Wolfgang](#) on Wed, 23 Nov 2011 13:10:37 GMT
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thank you for your help.... its not really a project with the aim to make things easy, its just for me to improve my skills.

At least my first step is to check a mathematic term for validity..

Thanks for the hint with the char, I don't know why but I looked for something like IsEqual for char

---> stupid

Asked myself how to compare a char to something..
