Step Into C++:
More on Calculators….

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C++

Let’s enhance the calculator

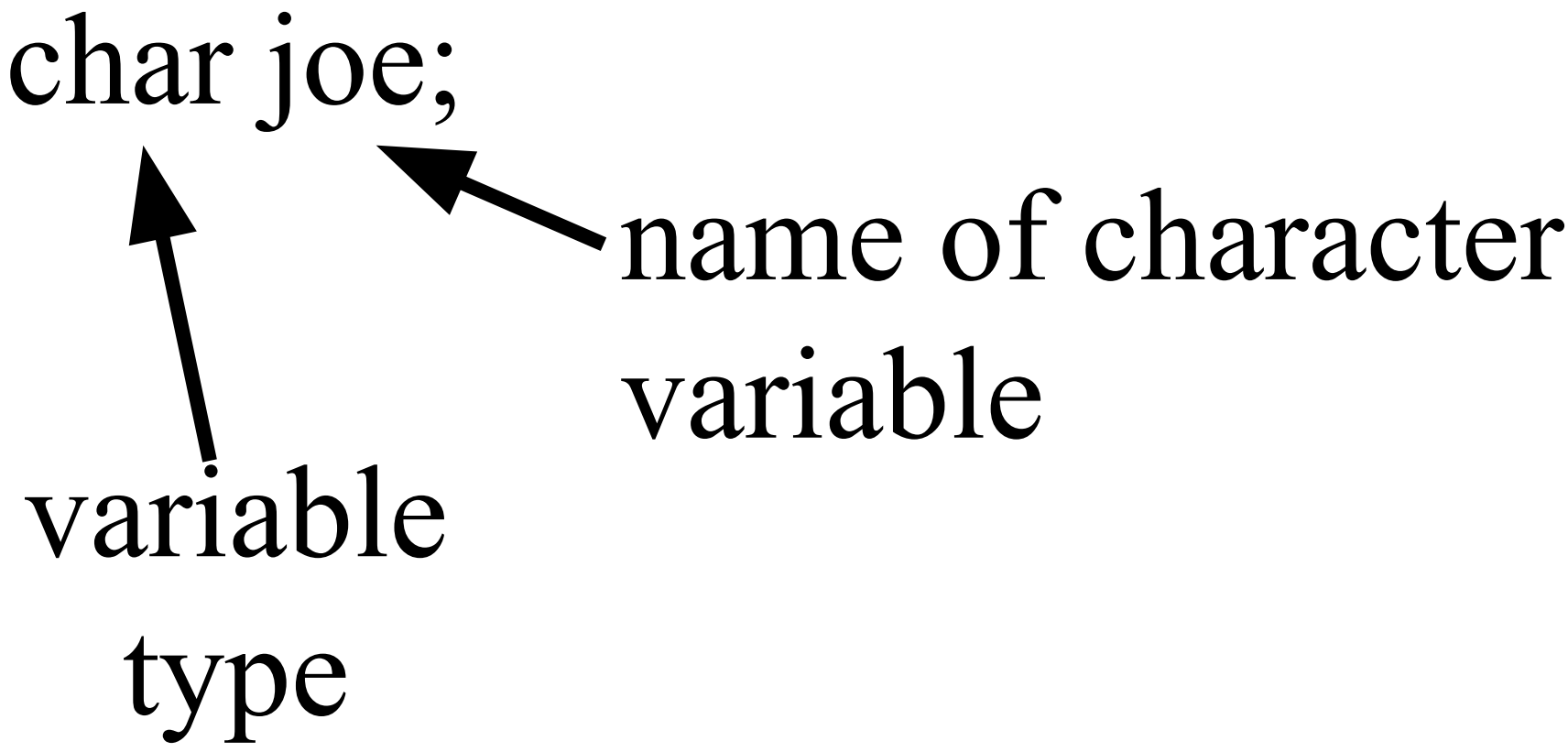
-integers only

- +, -, /, *

We need another data type

Character - any single symbol on the keyboard

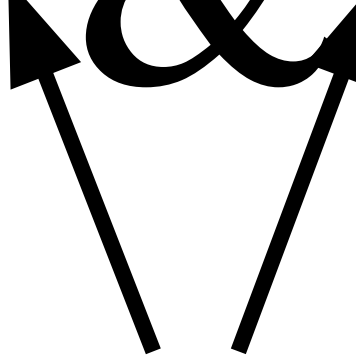
Declare a character variable



Give character variable a value

char joe;

joe = '&';



signifies char value

What happens?

```
cout << joe;
cout << joe << joe << endl;
cout << “joe”;
```

What happens?

```
cin >> joe;
cout << joe << joe << endl;
joe = '4';
cout << joe << joe << joe;
joe = '+';
cout << joe << joe << joe;
```

Built in Booleans in C++

equal to	==
greater than or equal to	>=
less than or equal to	<=
not equal to	!=

Booleans in C++

```
int sue, sam = 10;
cout << “Please enter…: “);
cin >> sue;
if(sue = = sam)
{
    cout << “You guessed it!”;
}
else
{
    cout<< “You missed it!”;
}
```

C++ Lab2

- make a calculator that can +, -, *, /, 2 integers
- display the answer on the screen
- make it user friendly

Please enter first number: 7
Please enter second number: 8
Please enter the operation: +

7 + 8 = 15

Pseudo Code

- define all variables needed
- ask user for values
- get values from keyboard
- determine which operation the user chose
- perform the corresponding operation
- write the question to the screen
- write the answer to the screen

Any ?’s