

EE 1910

Dr. Johnson

Program 4

No capabilities beyond those
discussed in class or in the notes
are allowed

Write a program to request 2 integer values and provide the result from A/B and B/A with:

- no type conversion and printed as an int and a float
- explicit type conversion and printed as an int and a float

Turn in your code, and screenshots for values of

2 7
20 52

Add a note explaining why some outputs are garbage

End up with something like this – check your values!

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Programming HW 4
Welcome to Dr Johnson's operator program

Please enter two integer values:2 7
no type conversion, printed as an int:      2 / 7 = 0
no type conversion, printed as a float:    2 / 7 = 147033839445404;
no type conversion, printed as an int:     7 / 2 = 3
no type conversion, printed as a float:    7 / 2 = 147033839445404;
with type conversion, printed as an int:   2 / 7 = -1610612736
with type conversion, printed as a float:  2 / 7 = 0.285714
with type conversion, printed as an int:   7 / 2 = 0
with type conversion, printed as a float:  7 / 2 = 3.500000

Please enter two integer values:20 52
no type conversion, printed as an int:     20 / 52 = 0
no type conversion, printed as a float:    20 / 52 = 3.500000
no type conversion, printed as an int:     52 / 20 = 2
no type conversion, printed as a float:    52 / 20 = 3.500000
with type conversion, printed as an int:   20 / 52 = -536870912
with type conversion, printed as a float:  20 / 52 = 0.384615
with type conversion, printed as an int:   52 / 20 = -1073741824
with type conversion, printed as a float:  52 / 20 = 2.600000
```

Your name

garbage – why?