

Activities Text Editor Aug 30 18:36

relationalOperators.c  
~/cs3035/C/week2

```
1 /*relationalOperators.c: simple program that evaluates conditional statements using relational operators
2 * Written by Manveen Kaur on August 29, 2022
3 * Based on examples in "C How to Program, Harvey and Paul Deitel"
4 */
5
6 #include <stdio.h>
7
8 /*function main begins program execution*/
9 int main( void )
10 {
11     int numInt1; //first number to be input by user
12     int numInt2; //second number to be input by user
13
14     printf("Enter the first integer: "); //prompt user to input integer
15     scanf("%d", &numInt1 ); //read the integer
16
17     // the following if statements will determine if the integer is even or odd
18
19     if ( numInt1 % 2 == 0 )
20     {
21         printf("%d is even\n", numInt1);
22     }
23     else
24         printf("%d is odd\n", numInt1);
25
26
27     return 0; //we return 0 if the program ends successfully
28 } //end function main
```

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virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ gcc relationalOperators.c -o print
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 4
4 is even/nvirginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 7
7 is odd/nvirginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 4
4 is even/nvirginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ rm print
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ gcc relationalOperators.c -o print
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 5
5 is odd
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 6
6 is even
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 55
55 is odd
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$ ./print
Enter the first integer: 12
12 is even
virginia@virginia-MacBookPro16-2:~/cs3035/C/week2$
```