Dec to Oct

dec2oct.cpp

Write a program which takes in a base 10 (decimal) number and converts it to its base 8 (octal) equivalent.

PROGRAM DESIGN
The program should be able to accept integers / decimals / base-10 digits that would be converted to their respective octal equivalent. Save your file as *yourlastname_dec2oct.cpp*

PROGRAM SKELETON

```
#include <iostream>
using namespace std;


int main()
{
    int decimal;
    int remainder = 0;
    int octalDigit = 0;



    ...

    return 0;
}
```

INPUT
There is only one input for this program, which is the base-10 digit that the user wants to convert to octal form.

OUTPUT
Once the input is accepted, a while or for loop should be used to calculate the base-10 digit that the user wants to convert to octal form. Keep in mind that octal digits are comprised of combined remainders from an octal division.

Sample Input
10
27
87
100
70

Sample Output
Octal equivalent of 10 is 12.
Octal equivalent of 27 is 33.
Octal equivalent of 87 is 127.
Octal equivalent of 100 is 144.
Octal equivalent of 70 is 106.