**Dec to Bin**

*dec2bin.cpp*

Write a program which takes in a base 10 (decimal) number and converts it to its base 2 (binary) equivalent.

**PROGRAM DESIGN**

The program should be able to accept integers / decimals / base-10 digits that would be converted to their respective binary equivalent.

**PROGRAM SKELETON**

#include <iostream>

using namespace std;

int main()

{

int decimal;

int remainder = 0;

int bit = 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 binary 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 binary form.