**//PROGRAM TO GENERATE ARMSTRONG NUMBERS**

armstrong number in c: This program prints armstrong number. In our program we ask the user to enter a number and then we use a loop from one to the entered number and check if it is an armstrong number and if it is then the number is printed on the screen. Remember a number is armstrong if the sum of cubes of individual digits of a number is equal to the number itself. For example 371 is an armstrong number as 33 + 73 + 13 = 371. Some other armstrong numbers are 0, 1, 153, 370, 407.

#include<stdio.h>

#include<conio.h>

main()

{

int r;

long number = 0, c, sum = 0, temp;

printf("Enter the maximum range upto which you want to find armstrong numbers ");

scanf("%ld",&number);

printf("Following armstrong numbers are found from 1 to %ld\n",number);

for( c = 1 ; c <= number ; c++ )

{

temp = c;

while( temp != 0 )

{

r = temp%10;

sum = sum + r\*r\*r;

temp = temp/10;

}

if ( c == sum )

printf("%ld\n", c);

sum = 0;

}

getch();

return 0;

}

