

CSE 121 -- Introduction to “C”**(Worth 15 pts)**

Extra Credit #2 (extra2.c)

Due: last day of class at 11:59PM

Name your program: extra2.c

Create a *base_10* to *base_2* number converter. The user can enter any number from 0 to 18,446,744,073,709,551,615 (i.e. only positive numbers) and your converter should print out to the screen the equivalent integer in *base_2*.

USE-CASE NAME / ID	Base_10 to Base_2 converter
ACTORS	cse 121: student, instructor
PRE-CONDITIONS	User is authenticated to use ctec.clark.edu server
POST-CONDITIONS	User is shown their Base_10 number in base_2
OVERVIEW	
DESCRIPTION	
<ol style="list-style-type: none">1. <u>User</u> --- types ./extra22. <u>Application</u> --- displays on the screen, “Enter a base_10 number from 0 -- > 18,446,744,073,709,551,615”3. <u>User</u> ---- enters their base_10 integer.4. <u>Application</u> --- displays on screen the equivalent integer in base_2, and exits.	
NOTES AND TBDs	
Make sure you confirm the correct answer is given for —> 18,446,744,073,709,551,615	

Use the following command to submit your code

```
cp extra2.c /home/faculty/skoss/cse121/your_UID
```

or (if you did extra1.c you can use)

```
./submit extra2.c
```