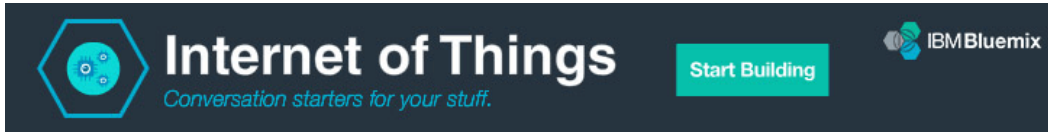


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How to create custom filenames in C?



Please see this piece of code:

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>

int main() {
    int i = 0;
    FILE *fp;
    for(i = 0; i < 100; i++) {
        fp = fopen("/what should go here?"/, "w");
        //I need to create files with names: file0.txt, file1.txt, file2.txt etc
        //i.e. file{i}.txt
    }
}
```

c string file-io fopen

asked Mar 15 '10 at 6:03



Lazer

19.2k 49 182 291

5 Answers

```
for(i = 0; i < 100; i++) {
    char filename[sizeof "file100.txt"];

    sprintf(filename, "file%03d.txt", i);
    fp = fopen(filename, "w");
}
```

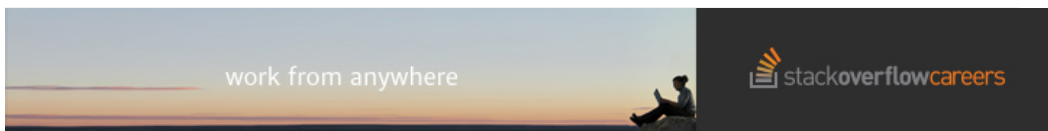
answered Mar 15 '10 at 6:08



caf

130k 9 149 283

- 1 notice how he put %03d . strictly speaking, you just need %d to do what you asked, but this will pad it to 3 digits with leading 0s, so that they will sorted properly by your OS (well... windows is kind of clever about that actually, but still, leading 0s are cool!) – [Mark](#) Mar 15 '10 at 6:11



```
char szFileName[255] = {0};
for(i = 0; i < 100; i++)
{
    sprintf(szFileName, "File%d.txt", i);
    fp = fopen(szFileName, "w");
}
```

answered Mar 15 '10 at 6:09



YeenFei

2,182 6 17

uhm... me thinks you forgot to edit a line when you copy pasted ;) – [Mark](#) Mar 15 '10 at 6:13

thanks for the feedback, and its nice to be fast on down votes...maybe try reload answer faster next time – [YeenFei](#) Mar 15 '10 at 6:17

255 is quite a large buffer. At least your solution will do well for extremely large values of i . – [dreamlax](#)

This should work:

```
for(i = 0; i < 100; i++) {  
    char name[12];  
    sprintf(name, "file%d.txt", i);  
    fp = fopen(name, "w");  
}
```

answered Mar 15 '10 at 6:07



[Kyle Lutz](#)

5,316 1 11 18

Use `sprintf()` with `"file%d.txt"` and `i` to generate the filename.

answered Mar 15 '10 at 6:07



[Ignacio Vazquez-Abrams](#)

365k 42 598 798

Look into `sprintf`.

answered Mar 15 '10 at 6:09



[Laurynas Biveinis](#)

6,838 3 25 46
