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Bytes To Decimal

Code Id	1
Date Updated	3/7/2010
Title	Bytes to decimal
Description	

Write a `bytestodecimal` program so that `bytestodecimal f` reads bytes from the file named `f` and prints each byte as a decimal number, right-justified (padded with spaces) to four characters. Your program must start after every 10th byte and at the end of file (if the end of file does not come af

For example, the output

```

84 104 105 115 32 105 115 32 97 32
116 101 115 116 46 32 84 104 105 115
32 105 115 32 111 110 108 121 32 97
32 116 101 115 116 46 10

```

means that the file contained byte 84 ('T'), byte 104 ('h'), etc.

Codes Snippet

```

#include
#include
#include

void die_read(char *fn)
{
    fprintf(stderr,"bytestodecimal: fatal: unable to read %s: %sn",
            ,fn,strerror(errno));
    exit(111);
}

void die_write(void)
{
    fprintf(stderr,"bytestodecimal: fatal: unable to write output: %sn",
            ,strerror(errno));
    exit(111);
}

int main(int argc,char **argv)
{
    FILE *f;
    int bytes = 0;
    int c;

    if (!argv[1]) {
        fprintf(stderr,"usage: bytestodecimal fn");
        exit(100);
    }

    f = fopen(argv[1],"r");
    if (!f) die_read(argv[1]);

    while ((c = fgetc(f)) != -1) {
        if (printf("%4d",c) == -1) die_write();
        if (++bytes == 10) {
            if (printf("\n") == -1) die_write();
            bytes = 0;
        }
    }
    if (ferror(f)) die_read(argv[1]);

    if (bytes)
        if (printf("\n") == -1) die_write();

    if (fflush(stdout) == -1) die_write();

```

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