C Programming Day21.B

2017.11.28

File Processing

Copyright (c) 2015 - 2017 Young W. Lim.

.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

#include <stdio.h>

```
int main(void) {
    int i;
```

FILE *fp;

```
fp = fopen("test.out", "w");
```

```
for (i=0; i<10; ++i)
    printf("i= %d\n", i);</pre>
```

```
for (i=0; i<10; ++i)
    fprintf(fp, "i= %d\n", i);</pre>
```

fclose(fp);

}

| guest-bv4cq9@Usys02 ~ \$ gcc -Wall t.c guest-bv4cq9@Usys02 ~ \$./a.out |
|--|
| i= 0 i= 1 |
| i= 2 i= 3 |
| i= 4 i= 5 |
| i= 6 i= 7 |
| i= 8 i= 9 |
| <pre>guest-bv4cq9@Usys02 ~ \$ ls -l test.out -rw-rw-r 1 guest-bv4cq9 guest-bv4cq9(50)nov 29 01:13 test.out</pre> |
| to by les |
| |
| <pre>guest-bv4cq9@Usys02 ~ \$ cat test.out i= 0</pre> |
| i= 1 |
| i= 2 i= 3 i= 4 |
| i= 4 i= 5 |
| i= 6 |
| i= 7 i= 8 i= 9∢ |
| |
| 5 bytes × 10 Dines = 50 bytes |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

#include <stdio.h>

```
int main(void) {
  int i;
  int A[10];
 FILE *fp;
  fp = fopen("test.out", "r");
                                necessary
  for (i=0; i<10; ++i)
    fscanf(fp, "i= %d(n", &A[i]);
// fscanf(fp, "i= %d", &A[i]); // Not Working
  for (i=0; i<10; ++i)</pre>
    printf("A[%d]= %d\n", i, A[i]);
  fclose(fp);
}
```

#include <stdio.h>

```
int main(void) {
    int i = 0x41424344; // 4-byte, MSB=01, LSB=04
        A & & o = p
    FILE *fp;
    printf("i=%d \n", i);
    printf("i=%x \n", i);
    fp = fopen("test.dat", "w");
    fwrite( &i, sizeof(int), 1, fp);
    fclose(fp);
}
```

