

2. 2017-1

C Programing																			
<pre> 001 /* 002 * (c) 2017 Rahmat M. Samik-Ibrahim -- This is free software 003 * REV00 Thu Mar 30 16:56:54 WIB 2017 004 * START Thu Mar 30 16:56:54 WIB 2017 005 * 006 * fd2=dup(fd1) duplicates fd1 to fd2 007 * O_RDWR Open the file so that it can be read from and written to. 008 * O_TRUNC Initially clear all data from the file. 009 * O_CREAT If the file does not exist, create it. 010 */ 011 012 #include <stdio.h> 013 #include <unistd.h> 014 #include <sys/types.h> 015 #include <sys/stat.h> 016 #include <fcntl.h> 017 #include <string.h> 018 #define FILE "uts2017-1.txt" </pre>	<pre> 020 static char* str1 = "AABB\n"; 021 static char* str2 = "CCDD\n"; 022 static char* str3 = "EEFF\n"; 023 024 void main(void) { 025 int fd1, fd2, fd3; 026 /* STDIN=0, STDOUT=1, STDERR=2, therefore 027 fd1, fd2, fd3 will be 3, 4, and 5 */ 028 fd1 = open (FILE, O_TRUNC O_RDWR O_CREAT, 0644); 029 fd2 = open (FILE, O_TRUNC O_RDWR O_CREAT, 0644); 030 fd3 = dup(fd2); 031 printf("fd1=%d, fd2=%d, fd3=%d\n", fd1, fd2, fd3); 032 write(fd1, str1, strlen(str1)); 033 write(fd2, str2, strlen(str2)); 034 write(fd3, str3, strlen(str3)); 035 close(fd1); 036 close(fd2); 037 close(fd3); 038 } </pre>																		
Program Output (Line 031):																			
Content of file "uts2017-1.txt"																			

3. 2017-2

C Programing I/O																			
<pre> 001 /* 002 * (c) 2017 Rahmat M. Samik-Ibrahim 003 * http://rahmatm.samik-ibrahim.vlsm.org/ 004 * This is free software. 005 * REV00 Wed Oct 18 18:20:27 WIB 2017 006 * START Wed Oct 18 18:20:27 WIB 2017 007 008 write (fd, "string", string_lenght); 009 duplicate = dup (fd); 010 */ 011 012 #include <stdio.h> 013 #include <unistd.h> 014 #include <sys/types.h> </pre>	<pre> 015 #include <sys/stat.h> 016 #include <fcntl.h> 017 #include <string.h> 018 #define FILE "file.txt" 019 020 void main(void) { 021 int fd1, fd2; 022 fd1 = open (FILE, O_RDWR O_CREAT O_TRUNC, 0644); 023 fd2 = dup(fd1); 024 write (fd1, "012345\n", 5); 025 write (fd2, "abcdef\n", 5); 026 close(fd1); 027 close(fd2); 028 } </pre>																		
Inside FILE (file.txt)																			