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| **Task 1** | **Redirect Standard Output :Write to New File** |
|  | **Description:**  To redirect standard output to a new file we have to ue the following command  dir file\_name > output\_file\_name  For example  dir 1.txt > output1.txt   1. dir command is used to display the folder contents and also checks whether a particular file is found or not 2. 1.txt is the file name we are going to check if present in the folder 3. The > character tells the console to output **STDOUT** to the file with the name we have provided. In the example given above output1.txt is the name of the file where the output will be redirected 4. We can view the standard output that went to the file by typing “output1.txt” in the command window. This will open the text file in your default text file viewer. For most of them, this is usually [Notepad.exe**.**](https://helpdeskgeek.com/how-to/run-notepad-as-administrator-to-avoid-access-is-denied/) |
|  | **Commands:**  **dir file\_name - Checks whether a file exits or not**  **dir file\_name > output\_file\_name -Redirects standard output to a new file** |
|  | **Output Screenshot:** |
| **Task 2** | **Redirect Standard Output: Writes to the Same File** |
|  | **Description:**  To redirect standard output to the same file we use >>. For example to redirect the output of command hostname to the file output1.txt which was already created in TASK1 the folloeing command can be used.  hostname **>>** output1.txt  It appends the existing file with new contents |
|  | **Commands:**  hostname **>>** file\_name |
|  | **Output Screenshot:** |
| **Task 3** | **Redirect Standard Error To a File** |
|  | **Description:**  To redirect a standard error to a file we use 2> to the end of the command, followed by the output error file you want to create.  This sends the standard output stream to output1.txt, and the standard error stream to output2.err. The result is that, no output stream gets displayed in the console window. We can see the error messages by typing **output2.err**. This will open the file in your default text file viewer. |
|  | **Commands:**  dir file\_name > output\_file\_name 2 > error\_file\_name.err |
|  | **Output Screenshot:** |
| **Task 4** | **Redirect All Output: Writes to Same File** |
|  | **Description:**  To include both the standard output stream and standard error streams to the same file, you just need to redirect all output to the same file using the following command.  dir a.exe 1> output4.txt 2>&1   1. The standard output is directed to the output file identified by output number 1. 2. The standard error output identified by the number 2 is redirected to the output file identified by number 1.   This will append the error output to the end of the standard output. |
|  | **Commands:**  dir a.exe 1> output4.txt 2>&1 |
|  | **Output Screenshot:** |
| **Task 5** | **Input Redirection-Taking input from file** |
|  | **Description:**  To take input from a file, the less-than character < is used to redirect the input of a command.  Command < file\_name  The commands that normally take their input from the standard input can have their input redirected from a file in this manner. For example, the sort command can take the input from the file as shown below.  sort < input.txt  input.txt file contains the numbers in an unsorted order |
|  | **Commands:**  sort < file\_name |
|  | **Output Screenshot:** |
| **Task 6:** | **Options in gcc compiler** |
|  | **Description:**   1. **-E** Stop after the preprocessing stage; do not run the compiler proper. The output is in the form of preprocessed source code, which is sent to the standard output. Input files that don't require preprocessing are ignored.   **Example:** $ gcc -E program\_name.c   1. **-c** Compile or assemble the source files, but do not link. The linking stage simply is not done.The ultimate output is in the form of an object file for each source file. Example: $ gcc -c program\_name.c   In the above case object file or executable wont be generated for the further execution.Only compilation will be done.   1. **-o** Place output in file. This applies to whatever sort of output is being produced, whether it be an executable file, an object file, an assembler file or preprocessed C code. gcc program\_name.c -o output |
|  | **Commands:**  Command for only preprocessing: gcc -E program\_name.c  Command for compiling without linking: gcc -c program\_name.c  Command for creating executable file: gcc program\_name.c -o output |
|  | **Output Screenshot:**  **OUTPUT FOR ONLY PREPROCESSING COMMAND**  **D:\PES\Semester 2\Computer\_Science- C Programming\C\_Lab\Week\_1>gcc -E program1.c**  **# 1 "program1.c"**  **# 1 "<built-in>"**  **# 1 "<command-line>"**  **# 1 "program1.c"**  **# 1 "c:\\mingw\\include\\stdio.h" 1 3**  **# 38 "c:\\mingw\\include\\stdio.h" 3**  **# 39 "c:\\mingw\\include\\stdio.h" 3**  **# 56 "c:\\mingw\\include\\stdio.h" 3**  **# 1 "c:\\mingw\\include\\\_mingw.h" 1 3**  **# 55 "c:\\mingw\\include\\\_mingw.h" 3**  **# 56 "c:\\mingw\\include\\\_mingw.h" 3**  **# 66 "c:\\mingw\\include\\\_mingw.h" 3**  **# 1 "c:\\mingw\\include\\msvcrtver.h" 1 3**  **# 35 "c:\\mingw\\include\\msvcrtver.h" 3**  **# 36 "c:\\mingw\\include\\msvcrtver.h" 3**  **# 67 "c:\\mingw\\include\\\_mingw.h" 2 3**  **# 1 "c:\\mingw\\include\\w32api.h" 1 3**  **# 35 "c:\\mingw\\include\\w32api.h" 3**  **# 36 "c:\\mingw\\include\\w32api.h" 3**  **# 59 "c:\\mingw\\include\\w32api.h" 3**  **# 1 "c:\\mingw\\include\\sdkddkver.h" 1 3**  **# 35 "c:\\mingw\\include\\sdkddkver.h" 3**  **# 36 "c:\\mingw\\include\\sdkddkver.h" 3**  **# 60 "c:\\mingw\\include\\w32api.h" 2 3**  **# 74 "c:\\mingw\\include\\\_mingw.h" 2 3**  **# 57 "c:\\mingw\\include\\stdio.h" 2 3**  **# 69 "c:\\mingw\\include\\stdio.h" 3**  **# 1 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stddef.h" 1 3 4**  **# 216 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stddef.h" 3 4**  **# 216 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stddef.h" 3 4**  **typedef unsigned int size\_t;**  **# 328 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stddef.h" 3 4**  **typedef short unsigned int wchar\_t;**  **# 357 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stddef.h" 3 4**  **typedef short unsigned int wint\_t;**  **# 70 "c:\\mingw\\include\\stdio.h" 2 3**  **# 94 "c:\\mingw\\include\\stdio.h" 3**  **# 1 "c:\\mingw\\include\\sys/types.h" 1 3**  **# 34 "c:\\mingw\\include\\sys/types.h" 3**  **# 35 "c:\\mingw\\include\\sys/types.h" 3**  **# 62 "c:\\mingw\\include\\sys/types.h" 3**  **typedef long \_\_off32\_t;**  **typedef \_\_off32\_t \_off\_t;**  **typedef \_off\_t off\_t;**  **# 91 "c:\\mingw\\include\\sys/types.h" 3**  **typedef long long \_\_off64\_t;**  **typedef \_\_off64\_t off64\_t;**  **# 115 "c:\\mingw\\include\\sys/types.h" 3**  **typedef int \_ssize\_t;**  **typedef \_ssize\_t ssize\_t;**  **# 95 "c:\\mingw\\include\\stdio.h" 2 3**  **# 1 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stdarg.h" 1 3 4**  **# 40 "c:\\mingw\\lib\\gcc\\mingw32\\6.3.0\\include\\stdarg.h" 3 4**  **typedef \_\_builtin\_va\_list \_\_gnuc\_va\_list;**  **# 103 "c:\\mingw\\include\\stdio.h" 2 3**  **# 210 "c:\\mingw\\include\\stdio.h" 3**  **typedef struct \_iobuf**  **{**  **char \*\_ptr;**  **int \_cnt;**  **char \*\_base;**  **int \_flag;**  **int \_file;**  **int \_charbuf;**  **int \_bufsiz;**  **char \*\_tmpfname;**  **} FILE;**  **# 239 "c:\\mingw\\include\\stdio.h" 3**  **extern \_\_attribute\_\_((\_\_dllimport\_\_)) FILE \_iob[];**  **# 252 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* fopen (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* freopen (const char \*, const char \*, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fflush (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fclose (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int remove (const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int rename (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* tmpfile (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) char \* tmpnam (char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) char \*\_tempnam (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_rmtmp (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_unlink (const char \*);**  **# 289 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) char \* tempnam (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int rmtmp (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int unlink (const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int setvbuf (FILE \*, char \*, int, size\_t);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) void setbuf (FILE \*, char \*);**  **# 342 "c:\\mingw\\include\\stdio.h" 3**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,2,3))) \_\_mingw\_fprintf(FILE\*, const char\*, ...);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,1,2))) \_\_mingw\_printf(const char\*, ...);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,2,3))) \_\_mingw\_sprintf(char\*, const char\*, ...);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,3,4))) \_\_mingw\_snprintf(char\*, size\_t, const char\*, ...);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,2,0))) \_\_mingw\_vfprintf(FILE\*, const char\*, \_\_builtin\_va\_list);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,1,0))) \_\_mingw\_vprintf(const char\*, \_\_builtin\_va\_list);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,2,0))) \_\_mingw\_vsprintf(char\*, const char\*, \_\_builtin\_va\_list);**  **extern int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,3,0))) \_\_mingw\_vsnprintf(char\*, size\_t, const char\*, \_\_builtin\_va\_list);**  **# 376 "c:\\mingw\\include\\stdio.h" 3**  **extern unsigned int \_mingw\_output\_format\_control( unsigned int, unsigned int );**  **# 453 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fprintf (FILE \*, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int printf (const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int sprintf (char \*, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vfprintf (FILE \*, const char \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vprintf (const char \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vsprintf (char \*, const char \*, \_\_builtin\_va\_list);**  **# 478 "c:\\mingw\\include\\stdio.h" 3**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,2,3))) \_\_msvcrt\_fprintf(FILE \*, const char \*, ...);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,1,2))) \_\_msvcrt\_printf(const char \*, ...);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,2,3))) \_\_msvcrt\_sprintf(char \*, const char \*, ...);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,2,0))) \_\_msvcrt\_vfprintf(FILE \*, const char \*, \_\_builtin\_va\_list);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,1,0))) \_\_msvcrt\_vprintf(const char \*, \_\_builtin\_va\_list);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_ms\_printf\_\_,2,0))) \_\_msvcrt\_vsprintf(char \*, const char \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_snprintf (char \*, size\_t, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_vsnprintf (char \*, size\_t, const char \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_vscprintf (const char \*, \_\_builtin\_va\_list);**  **# 501 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,3,4)))**  **int snprintf (char \*, size\_t, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) \_\_attribute\_\_((\_\_format\_\_(\_\_mingw\_printf\_\_,3,0)))**  **int vsnprintf (char \*, size\_t, const char \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_))**  **int vscanf (const char \* \_\_restrict\_\_, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_))**  **int vfscanf (FILE \* \_\_restrict\_\_, const char \* \_\_restrict\_\_, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_))**  **int vsscanf (const char \* \_\_restrict\_\_, const char \* \_\_restrict\_\_, \_\_builtin\_va\_list);**  **# 646 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) ssize\_t**  **getdelim (char \*\* \_\_restrict\_\_, size\_t \* \_\_restrict\_\_, int, FILE \* \_\_restrict\_\_);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) ssize\_t**  **getline (char \*\* \_\_restrict\_\_, size\_t \* \_\_restrict\_\_, FILE \* \_\_restrict\_\_);**  **# 666 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fscanf (FILE \*, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int scanf (const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int sscanf (const char \*, const char \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fgetc (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) char \* fgets (char \*, int, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fputc (int, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fputs (const char \*, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) char \* gets (char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int puts (const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int ungetc (int, FILE \*);**  **# 687 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_filbuf (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_flsbuf (int, FILE \*);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int getc (FILE \*);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int getc (FILE \* \_\_F)**  **{**  **return (--\_\_F->\_cnt >= 0)**  **? (int) (unsigned char) \*\_\_F->\_ptr++**  **: \_filbuf (\_\_F);**  **}**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int putc (int, FILE \*);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int putc (int \_\_c, FILE \* \_\_F)**  **{**  **return (--\_\_F->\_cnt >= 0)**  **? (int) (unsigned char) (\*\_\_F->\_ptr++ = (char)\_\_c)**  **: \_flsbuf (\_\_c, \_\_F);**  **}**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int getchar (void);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int getchar (void)**  **{**  **return (--(&\_iob[0])->\_cnt >= 0)**  **? (int) (unsigned char) \*(&\_iob[0])->\_ptr++**  **: \_filbuf ((&\_iob[0]));**  **}**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int putchar(int);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int putchar(int \_\_c)**  **{**  **return (--(&\_iob[1])->\_cnt >= 0)**  **? (int) (unsigned char) (\*(&\_iob[1])->\_ptr++ = (char)\_\_c)**  **: \_flsbuf (\_\_c, (&\_iob[1]));}**  **# 734 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) size\_t fread (void \*, size\_t, size\_t, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) size\_t fwrite (const void \*, size\_t, size\_t, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fseek (FILE \*, long, int);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) long ftell (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) void rewind (FILE \*);**  **# 787 "c:\\mingw\\include\\stdio.h" 3**  **typedef long long fpos\_t;**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fgetpos (FILE \*, fpos\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fsetpos (FILE \*, const fpos\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int feof (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int ferror (FILE \*);**  **# 808 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) void clearerr (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) void perror (const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_popen (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_pclose (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* popen (const char \*, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int pclose (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_flushall (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_fgetchar (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_fputchar (int);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_fdopen (int, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_fileno (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_fcloseall (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_fsopen (const char \*, const char \*, int);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_getmaxstdio (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_setmaxstdio (int);**  **# 859 "c:\\mingw\\include\\stdio.h" 3**  **unsigned int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_mingw\_get\_output\_format (void);**  **unsigned int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_mingw\_set\_output\_format (unsigned int);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_mingw\_get\_printf\_count\_output (void);**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_mingw\_set\_printf\_count\_output (int);**  **# 885 "c:\\mingw\\include\\stdio.h" 3**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) unsigned int \_\_attribute\_\_((\_\_cdecl\_\_)) \_get\_output\_format (void)**  **{ return \_\_mingw\_get\_output\_format (); }**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) unsigned int \_\_attribute\_\_((\_\_cdecl\_\_)) \_set\_output\_format (unsigned int \_\_style)**  **{ return \_\_mingw\_set\_output\_format (\_\_style); }**  **# 910 "c:\\mingw\\include\\stdio.h" 3**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) int \_\_attribute\_\_((\_\_cdecl\_\_)) \_get\_printf\_count\_output (void)**  **{ return 0 ? 1 : \_\_mingw\_get\_printf\_count\_output (); }**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) int \_\_attribute\_\_((\_\_cdecl\_\_)) \_set\_printf\_count\_output (int \_\_mode)**  **{ return 0 ? 1 : \_\_mingw\_set\_printf\_count\_output (\_\_mode); }**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fgetchar (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fputchar (int);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* fdopen (int, const char \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fileno (FILE \*);**  **# 930 "c:\\mingw\\include\\stdio.h" 3**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) FILE \* \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) fopen64 (const char \*, const char \*);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_))**  **FILE \* \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) fopen64 (const char \* filename, const char \* mode)**  **{ return fopen (filename, mode); }**  **int \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) fseeko64 (FILE \*, \_\_off64\_t, int);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_)) \_\_off64\_t \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) ftello64 (FILE \*);**  **extern inline \_\_attribute\_\_((\_\_gnu\_inline\_\_)) \_\_attribute\_\_((\_\_always\_inline\_\_))**  **\_\_off64\_t \_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) ftello64 (FILE \* stream)**  **{ fpos\_t \_\_pos; return (fgetpos(stream, &\_\_pos)) ? -1LL : (\_\_off64\_t)(\_\_pos); }**  **# 958 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fwprintf (FILE \*, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int wprintf (const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vfwprintf (FILE \*, const wchar\_t \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vwprintf (const wchar\_t \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_snwprintf (wchar\_t \*, size\_t, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_vscwprintf (const wchar\_t \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_vsnwprintf (wchar\_t \*, size\_t, const wchar\_t \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fwscanf (FILE \*, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int wscanf (const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int swscanf (const wchar\_t \*, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t fgetwc (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t fputwc (wchar\_t, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t ungetwc (wchar\_t, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int swprintf (wchar\_t \*, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vswprintf (wchar\_t \*, const wchar\_t \*, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wchar\_t \* fgetws (wchar\_t \*, int, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int fputws (const wchar\_t \*, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t getwc (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t getwchar (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t putwc (wint\_t, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t putwchar (wint\_t);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wchar\_t \* \_getws (wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_putws (const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_wfdopen(int, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_wfopen (const wchar\_t \*, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_wfreopen (const wchar\_t \*, const wchar\_t \*, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_wfsopen (const wchar\_t \*, const wchar\_t \*, int);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wchar\_t \* \_wtmpnam (wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wchar\_t \* \_wtempnam (const wchar\_t \*, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_wrename (const wchar\_t \*, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_wremove (const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) void \_wperror (const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* \_wpopen (const wchar\_t \*, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int snwprintf (wchar\_t \*, size\_t, const wchar\_t \*, ...);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vsnwprintf (wchar\_t \*, size\_t, const wchar\_t \*, \_\_builtin\_va\_list);**  **# 1016 "c:\\mingw\\include\\stdio.h" 3**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int vwscanf (const wchar\_t \*\_\_restrict\_\_, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_))**  **int vfwscanf (FILE \*\_\_restrict\_\_, const wchar\_t \*\_\_restrict\_\_, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_))**  **int vswscanf (const wchar\_t \*\_\_restrict\_\_, const wchar\_t \* \_\_restrict\_\_, \_\_builtin\_va\_list);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) FILE \* wpopen (const wchar\_t \*, const wchar\_t \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t \_fgetwchar (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t \_fputwchar (wint\_t);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_getw (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int \_putw (int, FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t fgetwchar (void);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) wint\_t fputwchar (wint\_t);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int getw (FILE \*);**  **\_\_attribute\_\_((\_\_cdecl\_\_)) \_\_attribute\_\_((\_\_nothrow\_\_)) int putw (int, FILE \*);**  **# 2 "program1.c" 2**  **# 2 "program1.c"**  **int main()**  **{**  **printf("Hello world");**  **return 0;**  **}** |