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Enumeration: - (enum): - An enum is a user defined
                             data type that consists integer constants.
 To define an enumeration keywood enum is used.
         enum tagname {value1, value2, value3....}
 Syntax
    · enum is a keyword
    · tagname is variable name
    · values! ... are create set of enum values.
     -> enum week {sun, mon, tue, wed, thu, fri, sat };
 By default sun is set to 0, mon is set to 1, and so on.
 User can change default value of enum elements during declaration
       enum week {
                      sun = 121
                     mon=55,
                     sat = 8L
                               enumissun, mon, two, wed, thu, fri, sats;
 enum ABC (x, y, z);
                               void main ()
 void main ()
                               tenum week today;
                                today = tre;
  Lint a; sum;
                                pointf (" Eday 1.d", today + 1);
  a= x+y+2;
  pointf("sum "d", a);
                               output: Day 3.
```

File Handling in C:- File is a collection of byte that is stored on computer secondary storage devices like disk. There are two type of file in a system. 1. Text file - contains ASCII codes of direct, alphabet, disymbol text file (txt) - text files ax easily coexited during holipad of simple text office.

2. Binary file contains collection of bytes (0 or 1). Binary files are (bin) compiled version of text files. 1. When a program is terminoted, entire data is lost. Storing in a file will preserve your data even if the program terminoted. 2. If you have entend large amount of data, it will take a lot of time to enter them all. However it you have a file containing all the data you can easily access the contents of the files using few commands in C. 3. You can easily move your date from one computer to another without any changes In Clanquage, de can use a structure pointer que file type to declare 9 file. Synton FILE file-pointer FILE * IP; File Operations 1. Coeale a new file 2. Open an existing file 4. Reading from and soiting information to a file

tunctions for file Hardling:

- fopen()-10pens new or existing file
- fclose () -> Close the file
- 3. fpointf() write data into the file
- fsconf () -> reads data from the file.
- fpute() priles a character into the file.
- fgetc() read a character from the file.

Modes of file:	
file Modle	Meaning of Mode
- JIC 1 18	opens a terrifice in teaching mode
W	opens or create a text file in writing mode
<u>a</u>	opens a text file in append mode
91+	opens a text file in both reading a writing mode
W+	ч
	pen a binay file in reading node ben or create a binay file in priting mode ben a binay file in append mode.
40 10	

Opening a file one Creating a file: We must oben a file before performing any operation. fb = fopen ("file name", "mo de");

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Closing a file: -
  f close () function is used to close an already spened file.
     f close (FILE *fp);
                                        # include (stdio. R)
 #include (stdio.k)
# include (stdio.k)
Uoid main()
                                        #in (conio.by
                                        f file *fp
                                          char ch;
  { file *fp;
                                         fp=fopen ("first", "x");
                                         while (1)
    fp=fopen ("first", " w)
                                         ich = fgetc (fp);
   point ("Input dota");
                                          if (ch == EOF)
   while ((ch = getchar()) != EOF)
                                           break;
                                           pointf("1.c", ch);
    pute (chofp);
                                         fclose(fp);
   fclose (fp);
File XfP
```

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fprintf():-
        fpointf(file pointe, control string, variables);
                                  format specifica
                                  (7.c, 7.s, 7.d).
  #include(stdio. h)
  # include (conio. b)
   void main ()
  EFILE *fp;
    int yoll;
    char name [10];
    fp=fopen ("student", "w");
   printf(" Enter Roll no ");
    scanf ("1,d", 48011);
    pointf " Enter Student Name");
   *scamf(*/s*, name);
   fpointf(fp, " 1.d %s", roll, name);
   f close (fp);
   fp = fopen (" student", "");
  fscan b (fp, "/d %s", &roll, name);
  pointf(" Student Rollno %d", xoll);
   printfustudent Name 1.5", name);
   filox (fp);
```

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fpointf & fscant(): -
 #include(stdio.h)
  void main()
  L FILE *fp;
   fp=fopen ("first.", w");
  form f point ("fp, " File by fpoint "); / woile dot into file
     fclose (fp);
#include (stdio.h)
 main()
  char buff[20]; /create haracter warry to store data of file
FILE *#P;
  fp=topen ("fitest", 9c);
   while (fscanf (fp, "%s", buff) != EOF)
   ? pointfly 1,5", buff);
   fclose (fp);
```

fsconf (FILE * stream, const char * format)