Ways to berform wite operation to a file (Unit-5) · Writing to a file can be done using , write () , put () insertion operator write 4 Chan Wiite 11 complete by " "char than text" leg Char" to file file I How are current r/w pointing maintained in a file? A Each stream will have 2 pointers) get fits who tracks the current pash to read from a file 2) but pt. wh. tracks the current pas

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to write + a file

- heyarmed then get bot will move to next has.
- · whenever , any r operation is performed then but bt will move to next bos.
- · while r/ω from a file if the ptr reaches the end of file then stream state will become false.
- So stream can be put inside an ig condition to sheek whether lof has reached or not.

eg while (1)

myin. get (ch);

iy (myin) cout>>ch;

else break;

hom a file.

get fun mill read 1 chan & move for to next for.

· ij (myin) condition will become false then look will be broken.

. So hus loop can be applied to read from a stream.

(Writing to a file -1/ . Writing the "complete text" to a file using "< operation " . << can be used to write a black of feet to a stream. . No look is needed. Eg # tinclude (iostream) # include <fs tream> // include this hoh file to create streams int main () Chan text [] = "This is LI\n This is L2"; // LI, L2 means line 1, line 2. 1/This text needs to be written to the file Steb-1 > Create a stream & ohen file to winte Ofstream myout ("jile. +xt"); Step-2> Check is shen success ig (! myout) cout << "Can't open file"; 11 Can't open. return 0; 11 Prog will exit

step-3) write to a file myout << text; 1/2 sperator will write me complete tent to this file Steb-4) chose file: myout. close (); Writing to a file-2 · Write the given text to a file "
"Char by char" using " · Look will be used. #include int main () chan text [] = "This is line 1", S1) Create of stream of stream myout (" file. +xt"); Sz) Check if ofen sucus is (! myout) cout << " Can't ohen"; return 0;

33) use a pointer to access each char of array c=tent; // don't write c= &tent; sy ure while loop to such each el of this array. while (*C!=NULL) myout << ± c; 11th c is used + accen each chan 11white one than to file stream at a 11 increment pointer \$6) clare stream myput.clore ()

(5)

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Writing to a file-3
· Write the given tent to a file Chan
 by char" using "fut" fun
· forteam class provides a fut fun
 who can be used to write one char
 at a time to a ple
· Syntax myoul. put (ch);
· Put () fun takes one whan as barram
 ruh. will be written to fre file
 Rosgram: -
  int main ()
       char text [] = "This is LI \n This is L2";
      oftheam myout ("file. txt");
      ig ( ! myout )
         contect "Can't open";
         return 0',
      Hure look & for to access the land
      arroy char by Char
       c = text;
      uhile (* C! = NULL)
           myout. put (*c);
            C++;
```

11 fut fun is used to write 1 chan
11 to the file
myout. close ()

Writing to a file-4

. Write the given tent to a file

. Write the "complete" given tent to a give using "write fun"

· Write is a very convenient fun wh. is used to winde the complete tent to the file.

Syntane
mysut winte (tent, size of (tent));
among to be written size of an.
to file
must be of type than *

· Write () takes 2 param first: Chan array, must be of type chan * second: size of arrang.

int main () Char tent [] = "This is line I \n This is line 2" ofstream myout ("file . tet"); ij (! myout) cout << " (and open "; return 0') mysut unite (tent, size of (tent)); myout. Close (); 11. No lobbe is regd in his case. writing to a file-5 . Write a "clan object" to a file using "unte" fun () · Write is very convenient & lary to use. · doen't require any look. . It can write complete tent to a file . It can also be used to write an "obj to a fle

eg // Assume that student clan is already created. int main () student obj; obj. Set (10, 20, 30); // amign values to van ay tuin obj
ofstream myout ("file. tud"); ig (! myout) cut < e" (ant open"); retur 0', myout. unite ((Chan *) (obj), Size g (obj)); Second parm first param shoul be a is size of obj & Convert to chan * myout. close ()')

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Summary of different ways to write to a file

method	description	Use	hoop required
<< (insertion) operator	write complete	myout<< tent;	Nº
	write than by than	myout cch;	Yes.
fut ()	write chan by chan.	myout (4);	W.
write fun	write complete tent	myout. write (tent, sizey(tent)	No.
	write on obj	myout. write ((has *) Gobj, size of (obj)	No.
		(size of (obj)	

Note of the file

· But sometimes you may need to process the tent chan by chan · So use use that () to write than by that of a file.