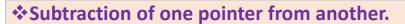
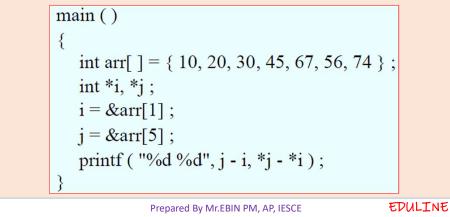


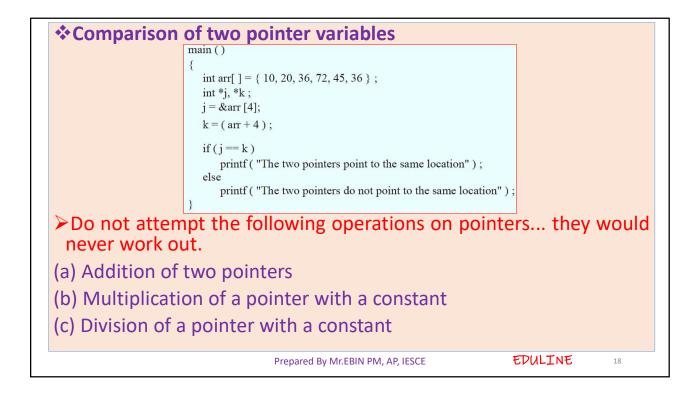
*Addition of a number to a pointer. For example, int i = 4, *j, *k; j = &i; j = j + 1; j = j + 9; k = j + 3; *Subtraction of a number from a pointer. For example, int i = 4, *j, *k; j = &i; j = j - 2; j = j - 5; k = j - 6;

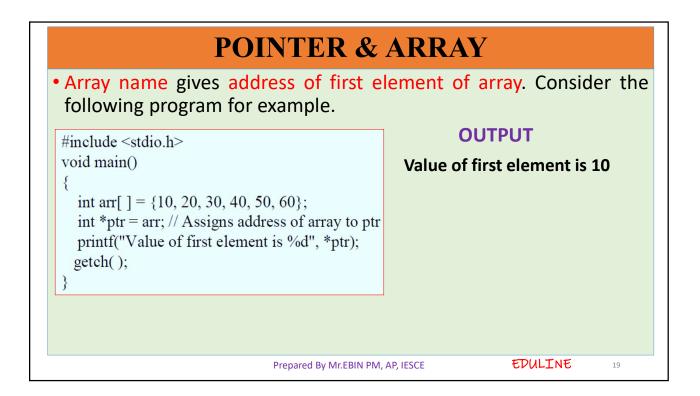
17

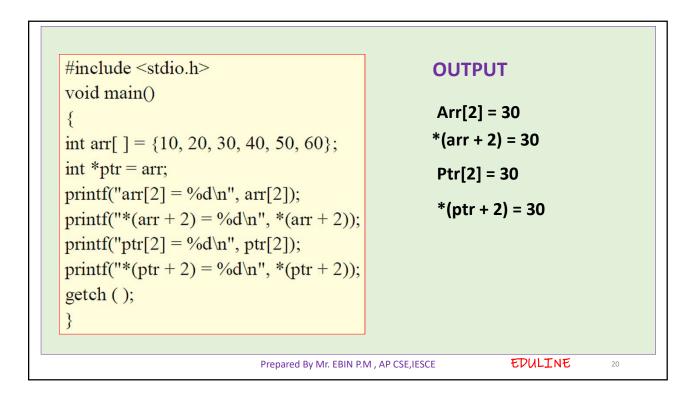


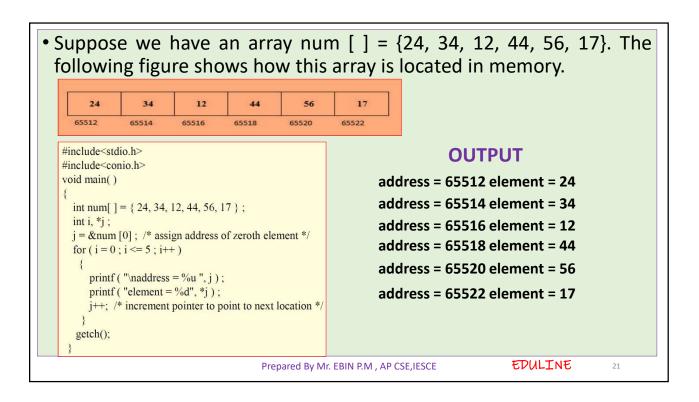
• One pointer variable can be subtracted from another provided both variables point to elements of the same array. The resulting value indicates the number of bytes separating the corresponding array elements. This is illustrated in the following program.

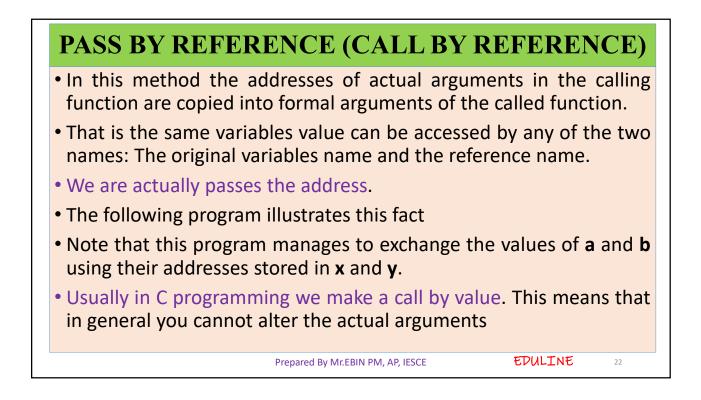


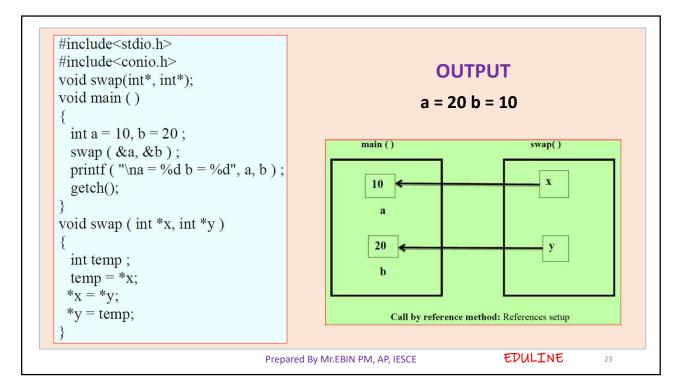


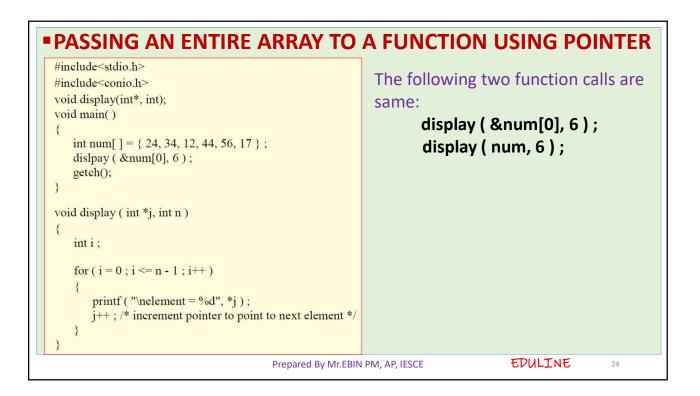




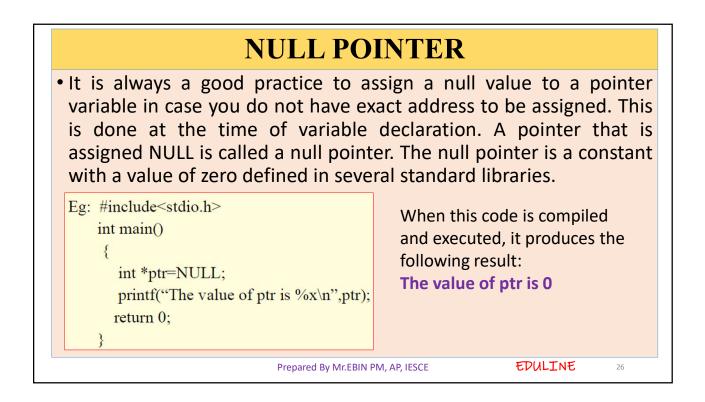


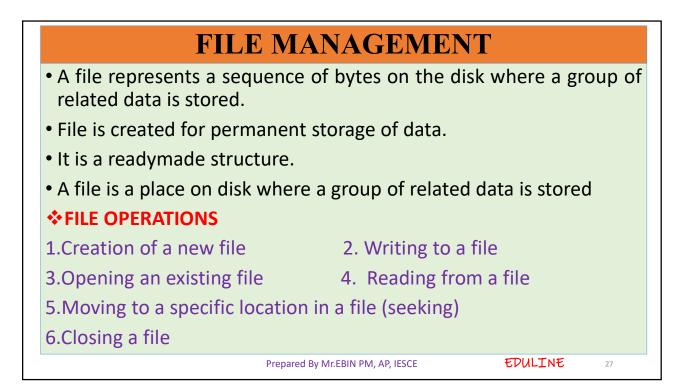


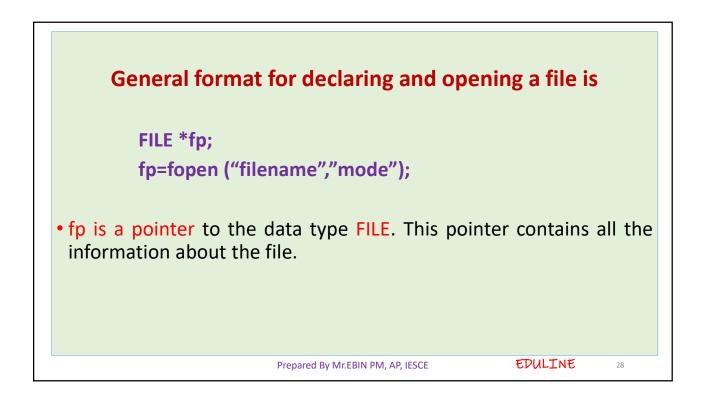


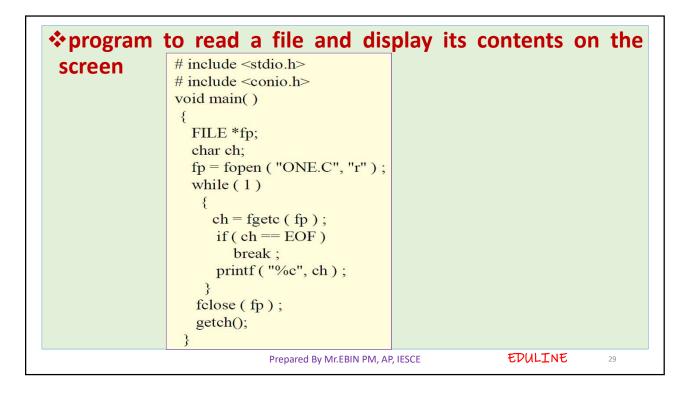


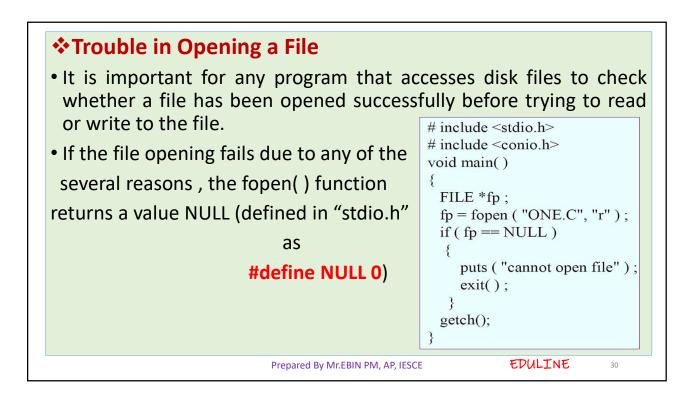
return(x); /* address of a*/ else case the address of b is	<pre></pre>	• The function larger () receives
<pre>return (y), /* address of b*/ }</pre>	{ if (*x>*y) return(x); /* address of a*/	function (in main()).In this









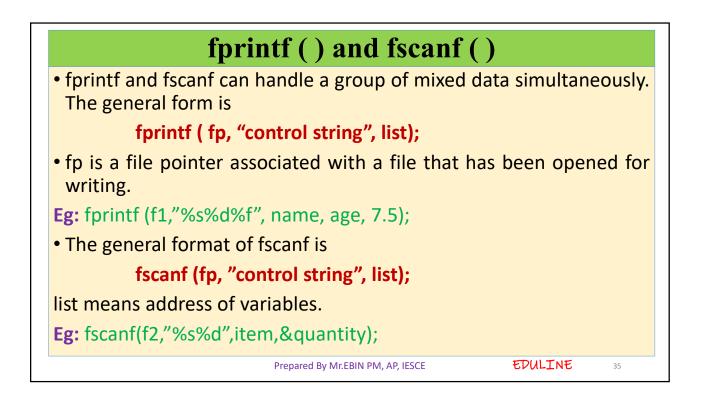


<pre># include <stdio.h> # include <conio.h> void main() { FILE *fp; char ch; int nol = 0, not = 0, nob = 0, noc = 0; fp = fopen ("PR1.C", "r"); while (1) { ch = fgetc (fp); if (ch == EOF) break; noc++; } }</conio.h></stdio.h></pre>	<pre>if (ch == '') nob++; if (ch == '\n') nol++; if (ch == '\t') not++; } fclose (fp); printf ("\nNumber of characters = %d", noc); printf ("\nNumber of blanks = %d", nob); printf ("\nNumber of tabs = %d", not); printf ("\nNumber of lines = %d", nol); }</pre>
--	--

ft = fopen("pr2.c", "w"); fclose(ft);

	Mode	Description	
	r	opens a text file in read mode	
	w	opens a text file in write mode	
a opens a text file in append mode			
r+ opens a text file in read and write mode			
	w+	opens a text file in read and write mode	
FILE OPENING MODE	a+	opens a text file in read and write mode	
	rb	opens a binary file in read mode	
	wb	opens a binary file in write mode	
ab opens a binary file in append mode			
	rb+	opens a binary file in read and write mode	
	wb+	opens a binary file in read and write mode	
	ab+	opens a binary file in read and write mode	
	Prepared By Mr.EBI	N PM, AP, IESCE	

	Function	Description	
	fopen()	opens new or existing file	
	fprintf()	write data into the file	
	fscanf()	reads data from the file	
	fputc()	writes a character into the file	
FUNCTIONS FOR FILE HANDLING	fgetc()	reads a character from file	
	fclose()	closes the file	
	fseek()	sets the file pointer to given position	
fputw() writes an integer to file			
	fgetw()	reads an integer from file	
	ftell()	returns current position	
	rewind()	sets the file pointer to the beginning of the file	
Prepared By Mr.EBIN PM, AP, IESCE EDULINE 34			



Writes records to a file using structure			
<pre># include <stdio.h> # include <conio.h> void main() { FILE *fp; char another = 'Y'; struct emp { char name[40]; int age; float bs; }; struct emp e; fp = fopen ("EMPLOYEE.DAT", "w");</conio.h></stdio.h></pre>	<pre>if (fp == NULL) { puts ("Cannot open file") ; exit() ; } while (another == 'Y') { printf ("\nEnter name, age and basic salary: ") ; scanf ("%s %d %f", e.name, &e.age, &e.bs) ; fprintf (fp, "%s %d %f\n", e.name, e.age, e.bs) ; printf ("Add another record (Y/N) ") ; fflush (stdin) ; another = getche() ; } fclose (fp) ; } }</pre>		
Prepared By Mr.EBIN PM, AP, IESCE EDULINE 36			

*Storing Employee information				
	e <stdio.h> e <conio.h> n()</conio.h></stdio.h>	printf("Enter the id\n"); scanf("%d", &id);		
float s fptr = if (fptr {	ame[30]; alary; fopen("emp.txt", "w+"); == NULL) tf("File does not exists \n");	<pre>fprintf(fptr, "Id= %d\n", id); printf("Enter the name \n"); scanf("%s", name); fprintf(fptr, "Name= %s\n", name); printf("Enter the salary\n"); scanf("%f", &salary); fprintf(fptr, "Salary= %.2f\n", salary); fclose(fptr);</pre>		
}		ared By Mr.EBIN PM, AP, IESCE EDULINE 37		

