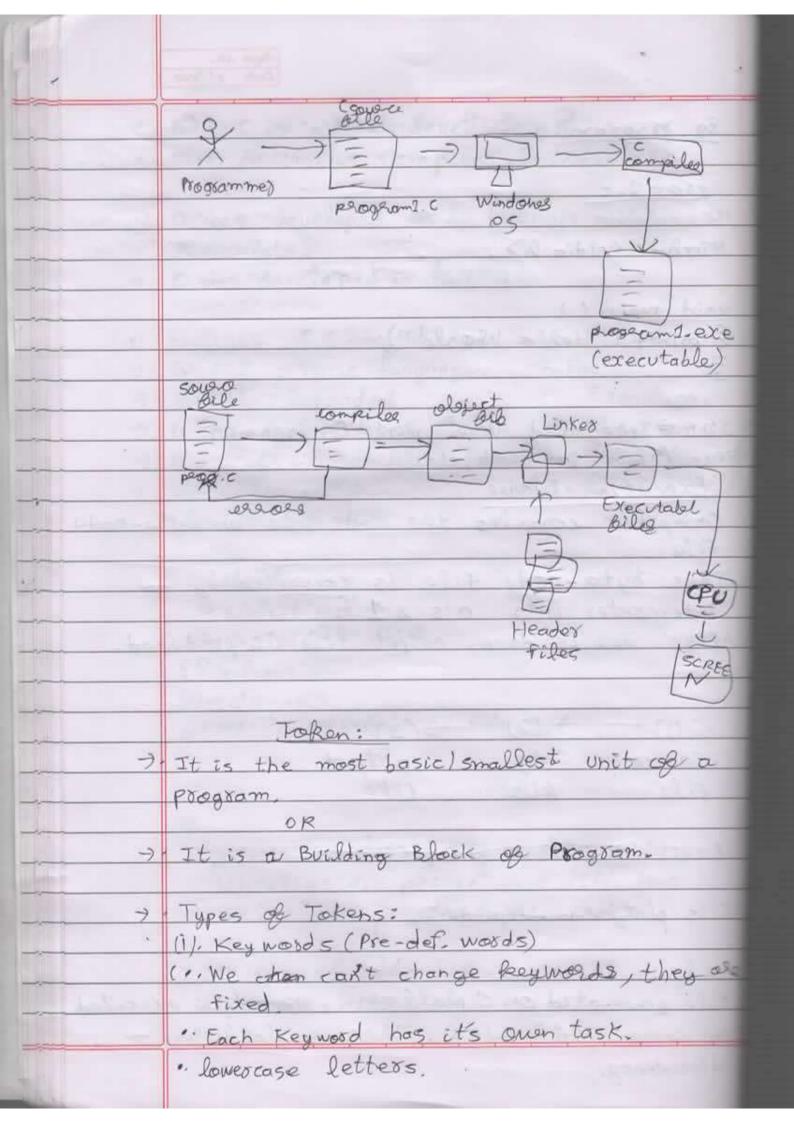
5/9/22 PLACEMENTS: Programming Lang.". used to instruct the markine to perform some specific tasks Levels: 1)- Binary (0'581'5) Lang. =) Machine understands only this language (0158115) 0 => Low 1 => High with help got - Machine can und : (ASCII) .. (A-Z) .. (a-Z) -. (0-9) .. spl. chax. (-/,) -. ASCII = American Std. code for Information Interchange (フbit) . It is an enroding technique, which is used on all levels. a-97 0-48 A-65 3-122 Z-90 9-57 + Humans can't und or can develop logic using only 0'5 8 1's

7. 50, Assemblers was invented to convert Assembly level language into 0158125- (pre-defined) - Assembly level longuage consists basic English commands, which was und- by IC's (Integrated Circuits) and Humans. /Micropocressors - such as APD, SUB, MUL, MOV, etc. Disad V. : .. STILL Lang. was abstract. " looping was a pool. in Assembly long. Then, to overcome Disadv. of Assemblers, - Compilers were introduced, to consect High-level long. to 015 8115. + High-lovel-lang. are easy to learn & overcomes Disadv. of Assembly long. eg: c/c++, Java, Python > (Basically a S/W) > Diff. High-lovel - languages has it's over compilers. eg: c - GCC comp Java - JVM comp Questions: (i) What is C? 110- c is a - lang. To is a Upgradation of Assembly -level languages The is a Mid-Devel of Assembly level long. But, it is considered as

	Auge No. Date 1 120
	eg program:
	prog 1.c
	#include (stdio.A)
	Eprintf ("Hella World");
7	eg: V5 code, Dev-c++, etc.
0 7	Execution-Flow: Compiler compiles the code into an byto-code file-
2) -)	Interpreter into 0's 84's
37 -	After Job is done, output file is produced.
	$\begin{array}{cccc} (1) & \longrightarrow & (2) & \longrightarrow & (3) \\ \hline \text{Source obj} & \text{output} \\ \hline \text{file bile file} \end{array}$
45	Execution Flow of e pas gooms
7	- C is platform -dependent,
	File generated on 1 platform, should be executed

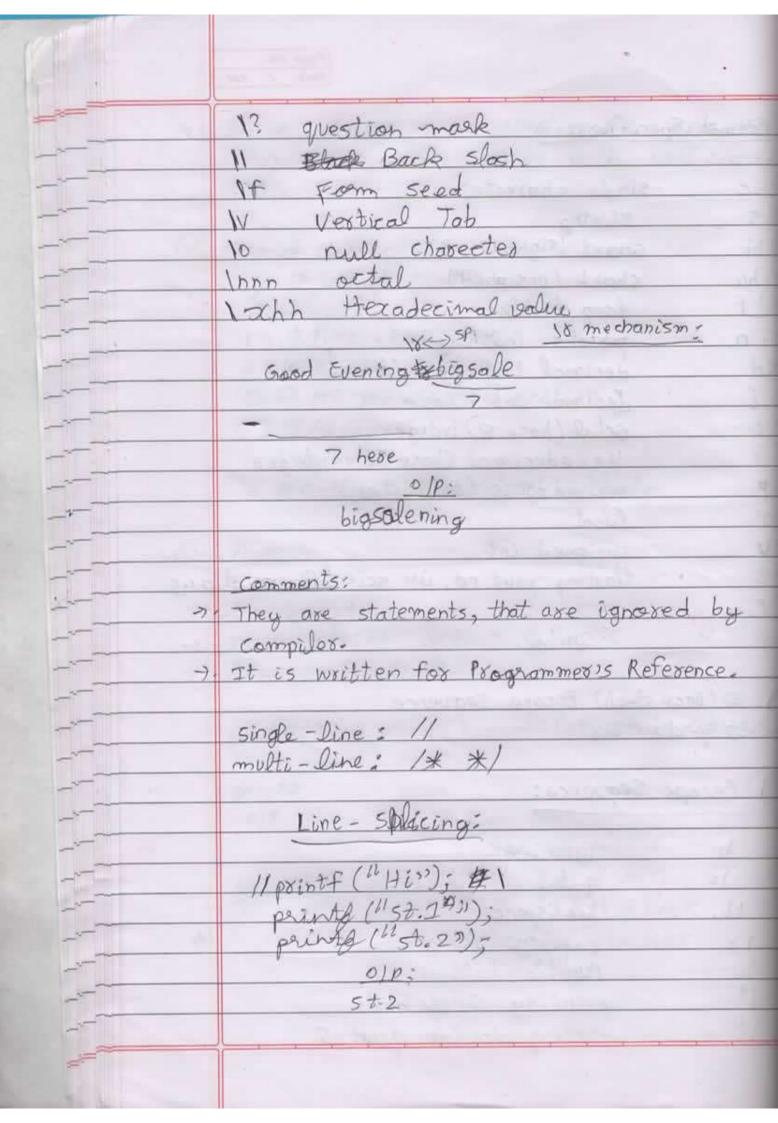
File generated on 1 platform, should be executed on same platform(05). This is platform—
dependency.



	eg woid, i	nt, break, col	tinue, retu	on.	16
-		he 32 Keyn		relisionally	
	outo	default	if	setush	switch.
	break		goto	Signed	typedef
		else	Float	static	Union
		enum	int	513206	
	continue	extern	long	short	unsigned
	do	FOR	register	struct	while
×				ALC: N	
	volatile	Lavidayeth	and rest of	NEL	
	const	art the	A Company	and It	
		Tavalne	of the said	Santific .	
Un.	Identifies	53	delegates	Shirt Brazil	
7.	It is the no	iming convent	ions form	· vorioble,	function,
		touctures, e		112/1-1/2	
					of the same
(111)-	constants:	The state of	inthose should	alas al P	
			A Gulbern	2000	
フ	It is a v	rolue, which	can't be	e changed	-)
	Charles on		7	4	
	Rules	for identifi	eys:		
	D- count	start with	digits.		
	2). Keywor	ds can't be	used	v v	4
		har-expect			d
	4). White	spaces not	allowed-		
		Carles Park		(-,\$).	
	The last	Court Services			
	Strings:				
		q of thoses	ters_		
	It is a lit				
7	It is enclo	sed within	(1 7) -		

-	In c, string is represented as array of
_~	charecters, which ends with null charect
1 51/12	(10).
- Probability	
(V)	Special charecters:
	; =) End of strut-
- Lancie	: =) label
- SLIM	() > func., Expressions
	E3 > Black of Stmt.
	# => pre-processor directive
	[] > Array
	· = Seperator
	* Asterisk, > Pointer, multiply.
(vi)	chax:
	Alamana Satisfaction of the Control
7	It is literal
7	It is enclosed within "?.
4	Always, length = 1.
	the authorite drain? - daines - to the authority and
	printf() & scanf() > Present in (stdianh)
	prints takes
	O/P 21P From Uses
	point (11), list of vox);
	point (, list of vor))
	seant (")", list of var);
4	
	The state of the same of the s

-1:)		
	Format Specifiers:	
	1/c single charecter	
	75 string	
Ī	1/hi short (signed)	
	1/hu shoot (unsighed)	
	7.1 f long double.	
	1/- n prints nothing	
	7.d decimal integer (base => 10)	
	1. i decimal int + base	
	y.b Octol (base 8) integer -	
	1/x Hexadecimal (base 16) integer	
	1/P an address (or pointed)	
	7.f Float	
	1/0 unsigned int	
	The flooting point no, in scientifiz notations	
	25	
	7/2/1 7/2 Symbol	
	Lange the Steward without the actual to	
	\ ⇒ (Bock slash) Estape Sequence	
	/ => sp. chosectes	-1
1	(1) Escape Sequence:	
	Tan In 1912 - 1911	
	In neveline	
	It tale	
	16 backspace	
	18 cassinge setuan	
	10 Avoible boll	
	printing single quote	
	I'm pointing double quotes	



6/9/22	At end of single line comment, if we use a 1, it messes the immediate next line
DITT	Ph. In It
	Datatypes:
	It is used to assign/specify the type of data of a voriable.
	Jupes:
	(i) Basic:
	int, float, char, double
	one, mour, acouse
	(ii) Dexived:
	Assay, pointes, structuse, union
	(iii) Enumeration (Enum):
	enum
	(iv)- void
	Memory Size & Range of Data Types:

Program to add 2 no:15:

#include (stdio. h)

void main ()

€ int n1, n2, sum;

printf ("Enter two nos: \n"); Scanf ("/d/-d", &n1, &n2);

sum = n2+h2;

printf (" Sum = 1.d \n", sum);

3

Memory Range for 15 bit:

	TACINE	ory Range for	Range	Bytes	5 1
-		C 1 1	1107	1	
-	char.	Esigned char Cunsigned char	0 to 255	2	12
-	_		1 207(2 42 22 767	2	
		[short signed int	-32768 to 32767	2	1
-	int	short unsigned int	o to 65 535	2	
		signed int	1 -32768 to 52 /6/	2	
		unsigned int	oto 65335		
		long signed int	-21474883648 +0647	2	1
		long unsigned int	oto 4294967295 -3.4e38 to +3.4e38	1.	
-					
-			-1.7e 308 to +1-7e	8	
-		double	-1.7e4932 to +1.7e49	10	l.
		long tould	3L1		

Variables:

It is the name given to a Memory Location. Syntax of Declaration:

datatype variable - name;

Syntax of Definition:

variable_name = value/variable/exp;

Scope of Variables:

Visibility of variables is known as scope of variables

Types of Variables:

1)- local variables:

They are present in a block or main!.

They can be accessed only in that scope-

2). Global variables:

They can be accessed anywhere in a that program.

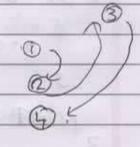
#include <stdio.h>
int b=90; 116V

int main ()

£ int a = 50; 1/ LV

printf ("1/. d", a);

printf ("1/. d", b);



3

0/p:

	#include (stdio.h) = 201/036AV
. 160	It is the name given to a Mengop so string
	Void main () - main for all so southing
	E printf (111/2 d), a); 1/90
	int a = 10; // wrong decl.
	printf ("/d", a); 1/10
19.30	1. 3 vay laulay = man alda yay
	101P:
	9010) Santables; (010)
avial les	exteriting of langualling is Kinding at sering of v
	Hinclude (stdio.h)
	Int a = 90;
	Void main ()
	E E Spallativer land
	They are present in at they are surred
	They can be encessed and that & new ton
	paints ("1 1.d \n", a);
	3
	They can preduction best anywhere in p that
	acor a-airs
	#include (stdio.h)
	int a = 90;
	void main ()
	€ int a=100;
	€ □ =99;
	3
	$\frac{3}{3}$ point $f(1)^{1/2}d(n)^{1/2}, \alpha=200); \frac{0/p}{200}$
	3
	oper .

main () printf ("1,d", int a=10); // wrong dec. *** Only assigning is allowed. In cooly declaration is allowed at top in main(). Static Variables: static Keyword is used for vistatic variables. declaring External variables: extern key word is used for External voriables. · These variables can be shared within multiple C giles. Automatic voriables: · · auto regword is used Automatic variables. . All local var are automatic variables, by default. Operators: It is a pre-defined symbol, used to perform a specific operation. sum = a + 6) operands

operator

				*
	Operator Types:	10		Intera
(i)	Unasy operate: 1 appearand	KED	11) 3	deling
(ii)	Binary operators: 2 operan	ds		
(111)	Ternary operators: 3 operand	5		
	The same in the sa	and de	mi se	n want
- ni	Unaxy Operator:	March.	- لل عا	2 5 0
	the Toes			Dec-
	Incl			Pre Post
	Binary operator:	Ha	Post	+a]a.
- cold-	+,-,*,1,11.	AND	thme	tie
	<,<=,>,>=,==,!=		ation	
	98, 11, (Tech. not rossible)		ical	
-		120		Leter
- Colla	8,1, >>,-,^ =,+=,-=,1=,*=,7.	=	assig	rment
	distant 4 prote ad way 2	Jan .	100	
1	Temary Operator:	0.0	1	230,00
	?:	Terr	naby	
	eg:	April 1		Leur of Hill
	c = (a > b)?a:b	6.8	and all	action is
	I/ Equipolent Logic	Sal	10	0 150
	\$ if (a>6)			El order
	return a;			
	else		100	certain
	seturn b;			
	terns with Landin that will be	P	re:	5 10
	pre: Update it and Use it.		⇒U	Alson I
	July States		st.	
	Post: Userct and Update it		⇒Up	0 (1 7)
	1000 Co			- 7 7 3
	Spirositos.			

include <stdio-A> void main()
{ int a; printf (11/2 d 2) 3 a); 0/1%

*** In C, By default O is assigned For char data type, nothing is printed. (space on ? is pointed)

Pre V/s Post:

... #include <stdio-h>

void main ()

= att: 11 a=10 [Assignment over updation here

printf (11-1-d)), a); 1110

· Here value of a=10 didn't update to 11, as me didn't use a'in any expression. as assignment of a = a++ over takes updation part of a++. Placetode Salaranta

10 = 10 thi 3

#include (stdio-A)

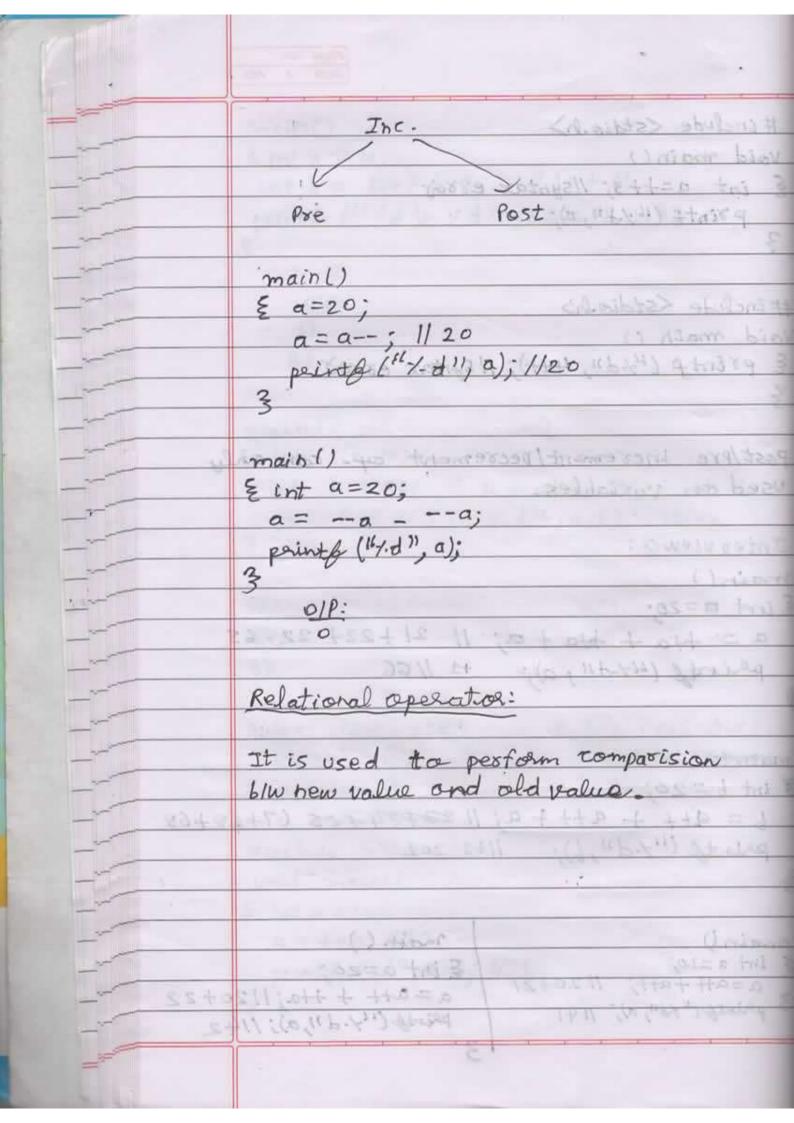
void main()

 ξ int $\alpha = 10$; ϵ

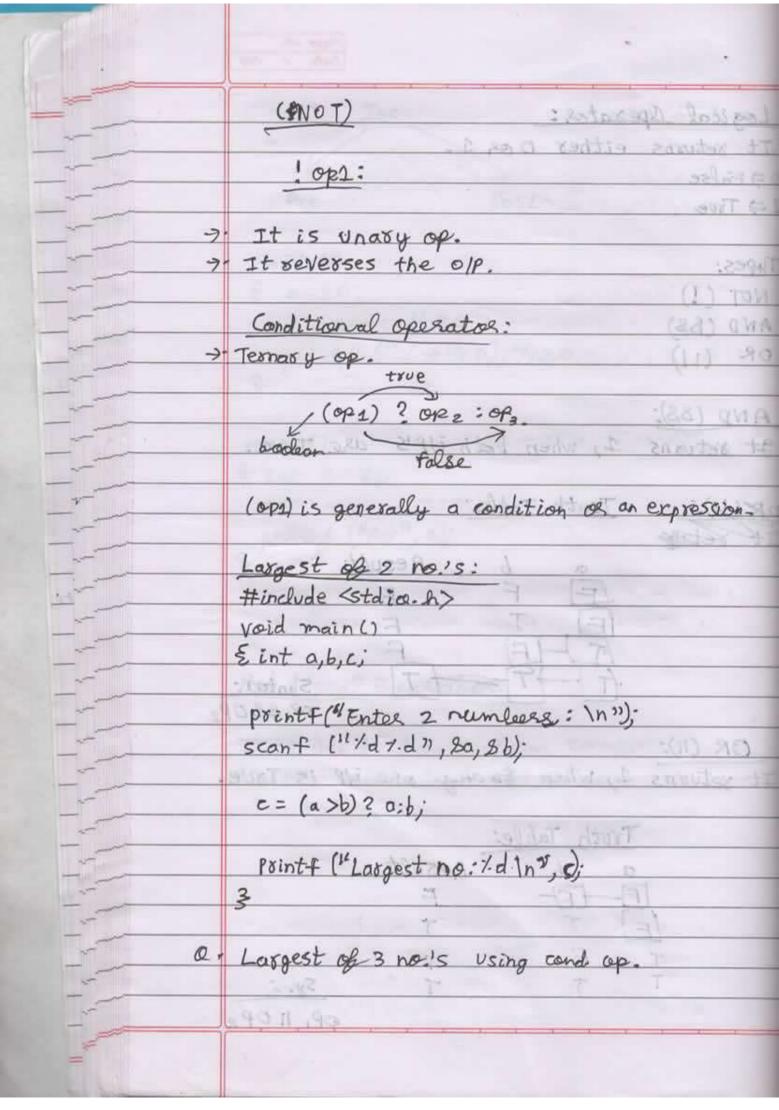
print+ ("4.d", a); 1111

```
Chailde Stolean
main()
                          (1911) 07
Eint a = 10;
 int b = a+++ 4; 1/10+11
print f (11 /d \n /d" ,a,b); 11 11,21
   01P:
main ()
£ int a = 10;
  int b = a++ + a + a++; 1110+11+11
  print f (" 1/d \n 7.d", a, b); 12,32
OIP:
12
32
                      Rules= (pre-bix)
Rules: (Post - fix)
                      1. Update (Up-)
1- Use (v)
                        2- Use (U)
2- Update (Up.)
#include (stdie.A)
void mainl)
& int a = 10;
a = ++a; 1/11
printf (44.d3), $ a); 1/11
```

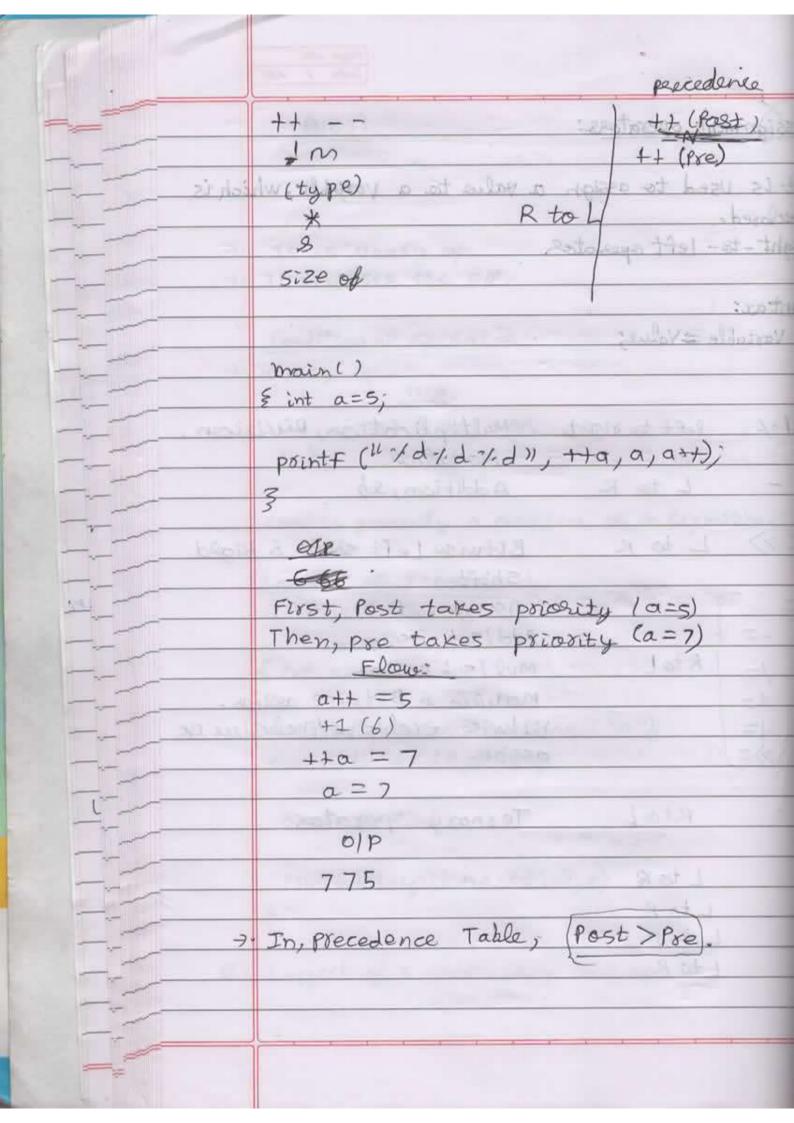
```
# include (stdio.h)
     Void main ()
     { int a=++3; //syntax exxod
     print f (11/1, 1), a);
     # include (stdio.h)
    Void main () as 1 :- 0=0
     ξ printf ("/d", 4++); 11 syrtax exxed
     Post/Pre increment/ pecrement op- can only
     used on variables.
 Q Interviewa:
(Ans) (main ()
    € int a = 20;
       a = Ha + Ha + a; 11 21 + 22 + 22 65
      prints (417-d", a); +1 1/66
    30
                             Relational adult
    maint) with appress marches - of whom si it
    # int b = 20;
       6 = a++ + a+++ a; 11 22+24+25 67+68+68
      prints ("1-d", b); 11+1 201
    3
                             main ()
     main ()
     & int a = 20;
                            Eint a=20;
      a=a+++a++; 1/20+21
                             a= a++ + ++a; 1120+22
     3 prints (" 1.d", a); 1141
                             paint ("4.d", a); 1142
```



(TOME) Logical Operatos: It returns either box 1. ingo ! 0 > False 13 True or It is unaxy op. The surexses the old Types: NOT (1) Conditional Constatus: AND (BB) OR (11) AND (88): It returns 1, when both is are True. It fetter b Result T Syntax: OP, \$80P2 Scan & (12 d r. d 7) , Sa, Sb): OR (11): It seturns 1, when to any one ill is True. 1000000 = 3 Truth Table: a 6 Result F-F- F Pur Fred made you 8 de temperal 1 le 5y. : OP, 110P2



		23/%	Stations,	
		Assianm	ent operators:	
			(24) 14	no.
	ナ	It is I	ised to assign	a value to a variable, which is
		declased	,	HIA HUNDER TO THE REAL PROPERTY OF THE PARTY
	1>	1163-70	- left operatos	2
		0		No. 19575
		Syntax:		
			le = Value;	
				Maria Chaired
				First and the state of the stat
	7/9/22	×1./.	left to right	Multiplication, Pivision,
			CHO DO DET	modulus
		+-	L to R	Addition, Sub
		(< >>	L to R	Bitwise Left shift & Right
				Shift
		= -	latio leutin	Assignment
		+= -=	1	Addlsub assign-
1		*= /-	RtoL	Mul/sub assigh.
Ц		1/2 8-		Modulus & Bitwise assist.
		n= =	<u> </u>	Bitwise exclusive/inclusive or
4		《二》三		assign-
4		SS-1	S-207 - 207 - 1047/	
_		3:	Rtol	Ternary operator
_	1000	81	20 20	100
_		8	LtoR	375
		^	LtoR	
		0.0	LtoR	and the state of the
	-	23	LtoR	
H				



	The state of the s
	compound Assignment operator I Shorthand
	operator:
	8 Color of the Late of the Lat
-) .	shorthand operators are abit fastes
	than normal exp.
	eg: Balance = Balance - 25000;
	Balance = 5000:
	WILLIAM TIGHT BY THE STATES
	1 -150-05
	Balance (-= 5000;
-	
	main()
44.5	
	$\frac{\xi}{a} = \frac{1}{10}$ $\frac{1}{a} = \frac{1}{a} = \frac{1}{10}$
	prints ("Frd", a),
	3 D/P:
	9
	The state of the s
U	main ()
	ξ int $\alpha = 90$,
	a + = (a+a); 11 $a = a + (a+a)$
	peing ("4.d", a);
	3
	a = a + (a+a) = $90 + (180)$ $01P$
	a = 270 270
	2910 24-21-21-11
	TAP CHEST STATES
	7.5

Page No.
Date / 120

Descision Statements: 2 if stmt. = mainl) & printf ("main begins"); int a = 10; if (a == 10) E prints (" if black begins *n"); 3 prints ("equal"); prints (" Main Ends "); 2 - if-else: main() E per int a, b; prints ("Enter tues no-15: \n"); Scanf ("4dxd", 80,86); if (a>=b) else points ("Largest Number: /d/n", b); if (cond) E stat.

	WET => Write, Execute, Trace
	else if ladder:
	if (condition)
	£ 11 stmt. 4;
	able if (condition 2)
	£ 11 stm+2;
	else if (coorditions) £ 11 stmt 3;
	3 else
	Ellstmt 4; // optional
	3
	If all cond- is false im else if ladder, all blacks are skipped.
	Complete and the same and all all all all and
	if ((year 7.4 == 0 88 years 7.100!=0) 11 year
2(14.	Leap year
100	ulse
	Non Leap geal
_	

		Date 1 1.00
		Switch:
		restricted that the section of the s
		switch (value) Expression) vax)
		£ case value lexp = £ stmt. 53
1		break; 11 recommended & Not Mandatory.
1		
4		default = Estmt. 3
4		3
4		- william while the work where when
4		Interview: a:
4	Note:	In suitch, we can poss value of int, chas
ł		type only. (ch voo.)
4		
+		dr .
ł		Escape sequences shouldn't be used in
ł		Scanf ()-
1		XI w 100 C D I would be a feet
1		Novialeles) (canit) be used for (case)
1		The same that the same that the same that the
1		Loops: Repeating a set of state, until cond- is
1		for satisfied.
1		while . Skips some blacks, if cond is not satisfied.
ı		do while
1		while:
		while (cond.) if (1) => True
		E LF (o) => False
		cf() > e0000
		3

	void main()
	€ int i=1; //Initialization
	while (IL=10) 11 condition
	E peintle (14-d (n"), i);
	itt: NI Updation
	3
	3 S. Leda R. Huston
***	Inside loops, use only variables.
	The process repeats until cond becomes fals
	THE CHAPTER INC.
	946 :
	Show the second
	The second secon
	3
1.0	WAP cpag, to paint even nous
	22010-
(869)	
2.	odd nois blw 1 to 10.
23 de	o later - Reposition a set of stance, until co
	do while:
Land	1/ Initialisation
	de É
	1/2 pdation
	3 While (condition);
	WH.
	1 (1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1
0	WAP to print even using do while
	vesting (FIFE)
H. The	

**	Tell what Interviewer wants, point Tell Extra.
	Note:
	In do-while loop, updation happens before while () post.
Q.	Differentiate blu while and to Don- while loop
	for loop:
	0 36
	for (initialization; condition; Updation)
	& statementse «
	3
ナ	In for loop, we have 3 segments = D @ 3
	Int. d:
	main()
	€ gos (;;) /IInfinite Loop
-	& print ("His);
	3
	5
→	Segments are not Mandatory, they are
	re commended.
	meth mellion english it of the beautiful in the second
7	If condition or updation segment is not present
	then, it considered as an infinite for
	loop.

31-201

01

```
+ In C=99 mode, goes (int i=) isn't
      allowed.
      Box (i=1; ; i++); Hallowed
      For ( [=1; i++ <=1; [++)) // 72
      { print("+d)n", i);
       ela:
      for (i=1; i++ <= 1; i++); /14
      € paints ("/-d In", i);
        V 919:
** Sp. case:
      for (i=0; i<5; i++);
      V & period ("1.9 11, 1); 3
      Here, First for loop is processed,
      then exec-flow comes to printly stat
      main ()
      § int i; +2, +2
       BOR (i=1; ++i/=10; i++)
          prints (td In, i);
                      aptiond.
                                   OIP.
                9 2<=10 =
                60 4 <= 10 4
                    64=10
                     84=10
                     101=10
```

		FOR (i=1) i++ <=10; i++)
		print ("/d In", i)
		Return tupe Tune name (Alg. 1954);
		O/P: Composisions:
		2 12=10
		3 < = 10
		54=10
		10 7C=10 9C=10
		9 <= 10
		Returnstage func. name (Bageinama)
	8/9/22	
		Body: Estroit
	->	It is a set of statements, which is used for
		pexforming a specific task. It can be called
		anywhere in a program.
		dry where in pro-grane (mains) inside).
		2 Types:
		(i). In-Built Functions / Lib. Functions
1		(ii) User - defined func.
		assumes of the read detailing.
		user-defined func.
		Fine, with no Addison and assisted
		1 Arguments allowing
		No Arguments
		E tota a See, be 9 or major leave 1
		print (" 12", at)) laterate outer V
		with setusn No setusn setusn
		type type type
		E prest f (Hanging Leging No. 1)-
		Automatic Consultation (Oxenslevel)
		Print F ("main ends \n2)

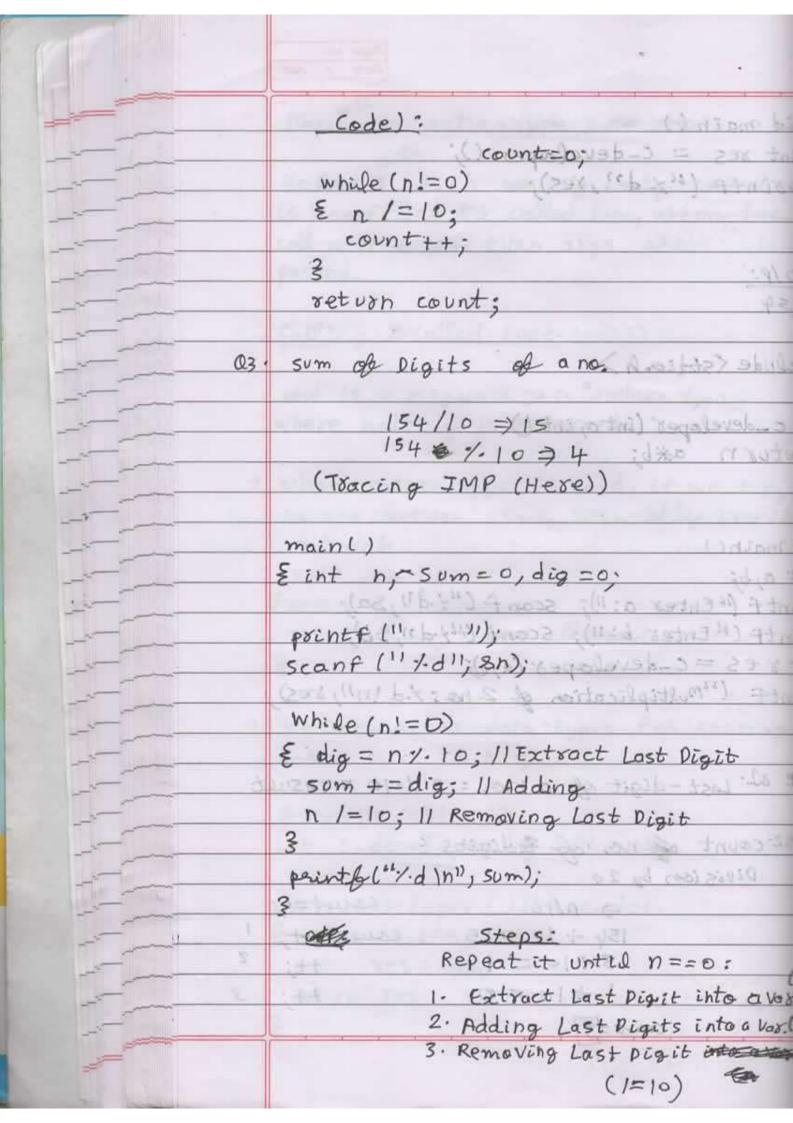
	Func. Declaration: It is declared globally
	in clanguage.
	Return-type func-name (Arg. name);
	& LALO
	The state of the s
	*
	The state of the s
	Func. Def.: 5tmt.5 inside func.
	Return=type func. name (Arg.name)
	E Radio II . I
	Body; Ilstmt.
200	3 sat of elaterments, which is the o
hollo:	Ferming a specific task. Trong be
	Func. Call: used for calling a func.,
	anywhere in program (main () inside).
	func_name (A88-);
	In-Built Functions / Eds Countries
7	If datatype is not mentioned, compile
	assumes it to be void datatype.
	Func. with no Return type and args: #include (stdia.h)
	$c_{developex()}$ f int $a=30, b=90;$ f main begins
	3 printf("/d", a+b); 120 main ends
	Void main ()
	& printf ("I main begins \n");
	c_developer();
	Printf ("main ends \n");
	3
	5

Func. is executed, with the help of a func-call only inside main (). · empty - case: When the Attention of the c_developes () 1/called func. on func. def-Eprint + ("his); sound as you main () ¿ c_developes (68, 1); 11 calling func. as func. rold is a Keymand The anthur tone. where nothing is returned. :910 hi 2 When weturn type is youd, if we try + Here Args of calling func. are discoved, and prints stats in called func. It doesn't throne any exxos Frebush Halleward Func. with no return type and args: #include (stdio-h) c-developer (int a, int b) // parameters or formal { printf ("/d \n", a+6); main() E c-developer (68,1); 11 args on actual off: Ask som () Henre defe :910 69 (inta, int b) 1/allowed Section YES. (int a,b) Il not allowed (inta, inta) Il not allowed

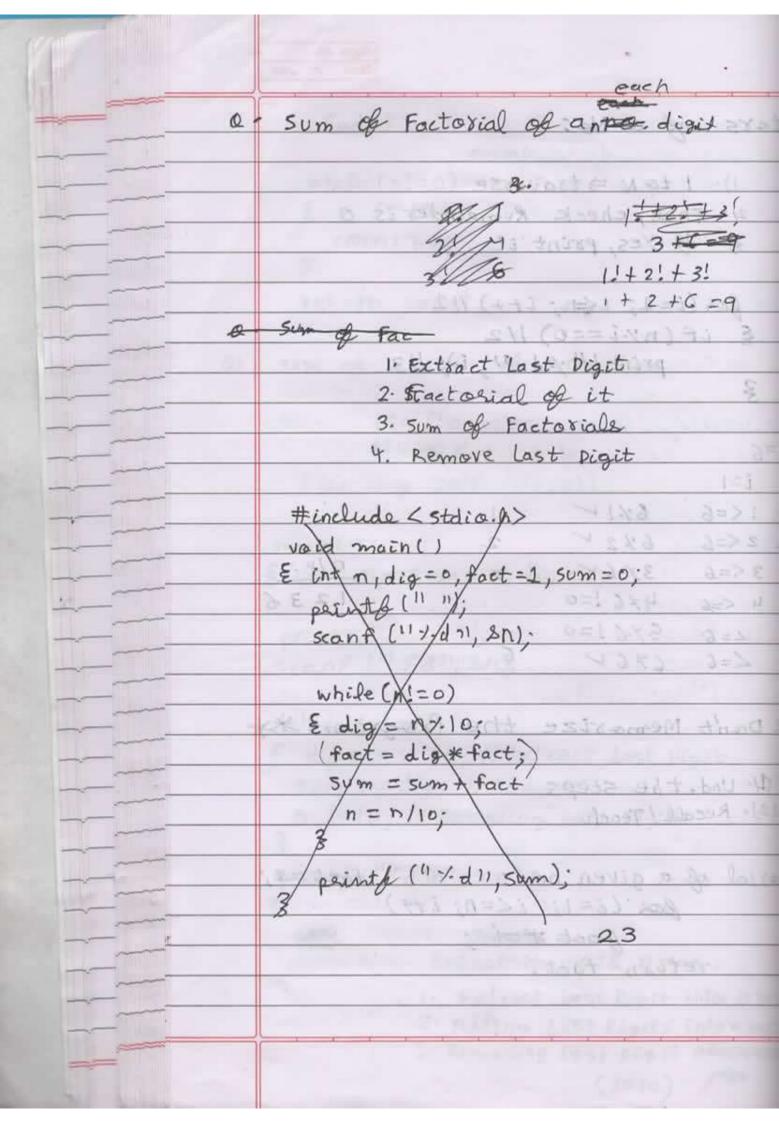
Func. with return type some args: call Infunc. 18 with me org., only control is transferred to called force, where func call with args, even asgs are passed. Calling & Called func. void is a keyword. It is a set us type, where nothing is returned. > When return type is void, if we try to use return start, then only transfe not data. void __ () Exeturn; II allowed return __ ; Il not allowed I We use other data-types for storing data, are to seq. () # include (stdie. h) int c-developer (); 11 func. dec. int c-developer () //func-def. € int a = 6, b=9; int yes = axb; return res; towart () Hallower payor ten 11 (deta is a surelli tan II (attitute of

```
Void main ()
& int res = c-developer ();
 printf ("/-d", res); (0=10) slider
                   seprit count:
#include (stdio. h > 10 h > 11 h muz 1 ED
int c_developer (inta, int 6)
Exeturn axb;
              (Director INP (Hexe))
Void main()
          11 200 Dia , D = ms 2 - 1 + 41
Eint a, b;
printf ("Enter a: 11); scanf ("1-d11,8a);
printf (" Enter 6:11); Scanf (14-d1, 86);
int x es = c-developer (a,b);
printf ("multiplication of 2 no: Y.d (n11, res);
      f die a state ( ) Extract Lost Dieth
 al Last - digit of a no. = n /- 10 = result
  02 count of no. of 3 digits?
     Division by 10
          > p/10 count=0;
           154 ÷ 10 = 15 count ++;
      10== 0 15 +100= 11999 ++;
  (muz) and a star a count = 3 1 part both &
  3. Removing Last plant interment
```

(o(=1)



	Page No. Date 1 120
0-	Factors of a No: a landing to
	1). I to N > traverse
	21. Then, check Remainder is o
	3). Hyes, print it
	werene da 4 is 4 is 4 is
	gos(i=1; i = n; i++) 112
	€ if (ny.i==0) 1/2
	print (11 / d 5); 1/3
	3 The throng Designation of the second
	eg:
	n=6 tipiq deal evening = 1
	i=1
	1<=6 67.1 × (Alaster > Januari#
	i=2 2 <=6 642 × 2
	=3 3 <=6 37.6 × 3 + 0 1 2 1
	=4 4 <=6 4×6!=0
	=5 L=6 57.6!=0 (12 10 10 10 Anox
	=6 K=6 676 V 6
	(0=2h) slidy
	** Don't Memorize the Programs **
	Pact = dippetact;
	VII. Und. the steps tack A MUZ = MYZ
	12). Recall / Teach
	£ 1
Q.	Factorial of a given no.: fact=2;
	por (i=1; i<=n; i++)
	fact #=i;
	return fact.



```
#Include < stdio. h>
int factorial (int n)
\( \text{int i, fact=1;}
 good (i=1; i<=n; i++)
     fact = fact *i;
 return fact;
              relieve ( " for your some).
Void main ()
{ int h, fact = 1, sum = 0 , dig = 0, i;
 print (11 11); scanf ("7-d", Bh); strong
 while (n)=0)
 ¿ dig = n/10; 111
  fort = foctorial (dig); 1/2
   sum += fact; 113
  n /=10; 1/4
                             Strong
                           Lf (x == n)
print ("/d In", sum);
                           else Printf(strom)
                             printle ( Man);
                   Files Pulle Cetal Com
       OR
(No func. reg.)
```

(No func. 8eq.)

while (num!=0)

Edig = num 7-10; 1/1

fact=1; 1/2

pace (i=1; i (= digit; i++)

E pact = pact * i;

3

5um += fact;

3 Num-1=10;

Method-1: sum of factorials: 600 (i=1; € (i++) fact = fact *i; Sum = sum + fact; perint ("/d (n", sum); a Reverse a No. (18 dis sett amena un this a 123 = 32] (a=tal elad Extract Last Digit -Bet = Factorial (Ma): / Remove Sum = Sum + 17/10 PANAL LIGHT #include (stdio.a) & int print (" "); scarfe (" +d11, &n); while (n!=0) € dig = n %10; rev = rev *10+dig; n=n/10; print f ("/d", xev); Sample fact. if (x== xev) else (Palindrome)

< A-astote shull-nitt - ROA)

silver that B

bordude Catallille, les

(0== 2 % 4) J. 3

I/P:

n	dig	rev	8eV=(8ev*10-	tdig)=
256	. 6	0	1 +24 + 120	7/
25	5	6		
2	2	65	(232(26)	29"
0		[652]	11 + 21 + 31	

1 + 2+6 = (9)

Perfect No:

eg: 6

Factors 2 1 + 2+3 (6 not considered) =16

X8

factors: 1+2+4 1 1 +122 (11 11) = +14 140

=17) &

#include (stdio-h)

void main()

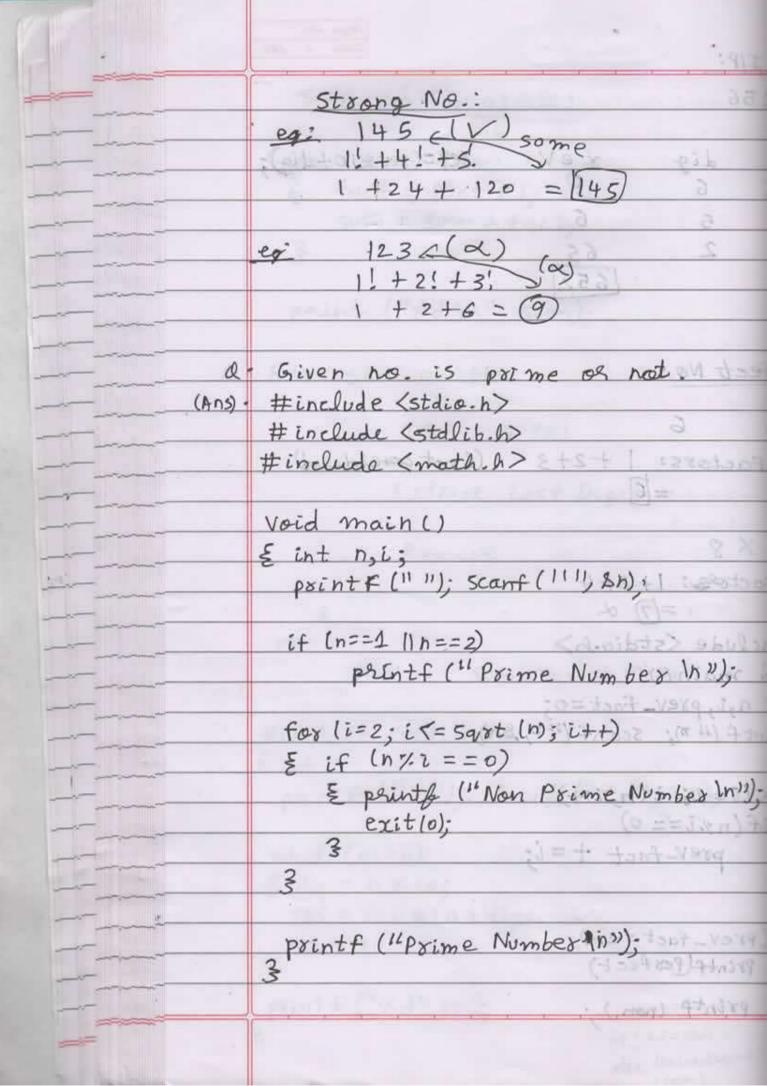
{ int n,i, prev_fact=0; printf (""); scanf (""), &n);

 β con (i = 1; i < n; i++)€ if (n7.i==0) (0) tive

prev-fact t=i;

if (prev-fact == n) Printf(Perfect)

else printp (non);



100	
Q	Prime no.15 b/w 1 to 50.1 (= 50.1)
	E = drugs
	13 + 53 + 33
	4 + \$25 + 27
	2152
	Livit Su
-	
_	
***	Armstrong No:
	1. Count no of pigits
	2. Compute the pow (Digit, count) for each
	digit in no.
	3. Add these results.
	JUG LIKE DESULTS.
	eg: 143 (X)
	count = 3

 $1^3 + 4^3 + 3^3 = 1 + 64 + 27 = 92$

