Experiment No-2 Date Title: Write a program to make a use of manipulation in C++. Objectives: 1. to understand the use of different manipulators smult sums with something key concept: manipulators * Theory: Manipulators are helping functions that ean modify the input output stream. It does not mean that we change the value of a ran'able, it only modifies the I/o stream using insertion (</ only extraction (77) operators. Data Hemby: These non-thoughness top of munbou 1. Manipulators without orguments: The most important a reget of ab districtly to manipulators defined by the Iostream library are provided below. -> endl: It is defined in Ostream. It is used to enter a new line and after entering a new line ik flushes the output stream. -> Hs: It is defined in istream and is used to ignore the whitespaces in the string sequence > ends: It is also defined in Ostream and it inserts a null character into the output stream It typically works with stall ostrotreom, when the associated output buffer needs to be hull terminated to be processed as a string. - flush: It is also defined in astream and it flushes the output stream i.e. it forces all the output anitten on the screen or in the title file. Without flush, the output would be the same but may a not appear in real time.

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0	Manipulators with orguments: some of the manipulate
200	Circuis all all arrange
	like seem (20) , settill (141) and many many
200	all are defined in header file of the
	these maintaint of the house house have
1110	ALC MACHINA
	La Evalupie, Look with the same
700	() o ~ () () () () () () () () () () () () ()
	-mum width and fill the empty space with any
13(13)8	character you want: it !! coult space with any
10000	<< std: Setfil(H1):
18134	character you want: std:: cout << std: set hill (#1);
	some important manipulators in < iamanip) are: setw (val): It is used to sets the signal
	setw (val): It is used to sets the field width in output operations.
2	salsin (c): The is weed to
	TO TO TO FILL THE COLOR
3.	output stream: (mpart6012 2001)
	set procession (val). It sets trais as the new rolling a
	of floating ocint was
4	. Set date (201): It is used to set the numeric have
	TIME DATE OF THE PROPERTY OF T
	this used to set format since
	Over Hed M. Domound at a cont
6	resetionflags (m): It is used to resets the farmat flags specified by parameter mouk.
N	specified by parameter mask.
100	
	The continuity of the single of the
7	showpas: It forces to show a positive sign on
	DUSTILL DUMPING
2	noshowpos: It forces not to white a positive sign
	on positive numbers.
3	Showbare The indicates
	Showbase: It indicates numeric base of numeric
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	and of the state of state of the

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	uppercase : It forces appercase letters for numeric
1 11	VIIIIE
5.	nouppercase: It forces lower case letters for numeric
	Fixed: It was decimal notations for floating-point
	Values
7.	scientific: It use scientific floating point notation
11 -11.08.	hex: Read and write hexadecimal values for
100	integers and it works same as the sekhanna-
9.	dec! Read & Linte decimal values for integer. sett
10.	oct: Read & White octal values for integers, set base (8)
11.	Left: It adjust output to the left
12.	right in It adjust output to the right
(I)	
	Example: , uno Horoyo / Lytuo
	# include < iomainip) of the war of 1 12 12 12 12 12 12 12 12 12 12 12 12 1
<u> </u>	# include < iostream> mostly studies &
10- 30	- 2 let pre cia (a (val) : I that it bot experience
	precision of Algeriage point values.
b are	int main() + dos or bow with the (10x) and done
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	double c = 201455, 2646; 10096
DE Place	11 We con use setbase (16) here instead of her
1	11 formatings morea de la
	cout << her << left << showbase << nouppercase)
+	some in yorkani and along in < 1013 dxe:
	// actual printed part
	cout << (long long) A << and 1;
1 02:2	Annier o stine of don corner to contract
	Il we can use dec here instead of set-base (10)
+4	11 foomating
	(out << setbase (10) << right << setw(15) << setfil('-')
	<< showpas << fixed << set praision (2);

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	cout << B << ende;	_
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	all inc	
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	11 actual printed part	\dashv
	cout << c<< ends;	_
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