correct to 4 decemal places = 6.1212 9 the real root correct to 2 degrand places = 6.12, would would in Mark Approx. no. of greyations 3 601- (19-10) = 100 (12) 601 1= .. Approx. no. of ster ations let approxing of glerations be h 00 NZ (09 (19-61) -109 E h > [09 (0.1) - log (0.0005) 5000.0 = (3 100(2) For Ses 19-61= 0.1 So; For gaven values; 2h > |a-b| : NZ 7.64 Interval (1a-b) h ≥ 10.96 -ve real root Ernor tolerance ( 1a-p From table We Know 2h 2. Solution;

	3. Solution)			The same of the sa
1	Fay cube root	out of 7: letthe	the not be x.	
1	L	3-73	7	- Hoon The
1			AND DESCRIPTION OF THE PERSON	to at Asia asia
1	Now		Bertonit da con	AND THE PERSON NAMED IN COLUMN
1		Segerch:	Lean Mean and	THE CONTRACT
1	4	1.9	2 2.1	safet safeto
	f(x) -1.1	-1.168 -0.141 1.	1.000 2.261	the state of the state of
			-	odo mod
	Some +(	f(1.9) = -ve ar	and f(2) = +ve;	SHE SOUTH OF THE
	and the f	Harer B	one real	root between
	X= A B	1 and x x-1-9 and	and x=2.	See The See Of the
	50°, let	Inotial Inter	enterual be a= 1.9	3 and b-2.0,
-			- (-C. 11)	1 30
Iteration	h a		C2440012	(3n+
7	1.9	2.0	1-95	0.41487
7	1.9	1.95	1-925	0.13833
N	1.9	1.825	1-9125	-0-00473
4	1.9125	1.925	1-9188	.0.06463
5	1-9125	1-9488	1-91565	0.02989
9	1.9125	1-91565	1-814675	0.01256
+	1.9125	1-914075	1.913288	0-00392
8	1.9125	1-913288	1.912894	-0.00041
9	1-31 2 894	1.913288	1.913091	0.00175
10	1-91 2894	1.913091	1-912993	0.00068
11	1-912894	1.912993	1.912044	0.00014
12	a	1.912944	1.912919	-0.00013
13	1.922919	1.912944	1-912932	0.00001
77				
×	Here; to levan	eran 10 = 0.00065 0	o. f (1.912 832)	5000000
		= 1.91293,	"	18.00

## brant f ("I teration ho. % 3d X = % 7.5 f lan" \* Ati vord breect (float \*x, + float \*a, float b, mt \*mtx Set new start and end as opposste sggned values 2. Input values of enterval start and end, allowed emp ohe ?terabbn \*1 check of mean and onterval start or end have root \* Fise, check of max oferations are reached 6. Check of emor 85 less than tolerance 1x performs and prints results of 14 return expression using in as (x \* cos(x) + sm(x)); 7-If yes print mean as answer 14 Coded in Cytexpression sam. opposite sight in equation. and maximum sterattohs. M 19th mean of 9therval It no, Vepeat from Else end the program #mclude Lmath-h> float f (float x) \* x = (q+b)/2; from above. 4. Apporting return ++ (x94x Program: