D Name-Piyush Chandra Chandra TD-1811100001027 Final the 9700+ of the equation X^2-X-2=0 by using bisection method

$$a=1$$
, $b=3$, [1,3]

a	b	f cas	f Cb)	$e = \frac{a+b}{2}$	£(c)	6-a
1	3	- 2	4	2	0	2
1	2	-2	0	1.5	-1.25	1
1.5	2	-1.25	0	1.75	-0.68	0.5
1,75	2	- 0-68	0	1.87	-0.37	0.25
1.87	2	-0.37	0	1.93	-0.20	0.13
1.93	2	-0.20	0	1.96	-0.11	0.07
1.96	2	- 0.11	G	1.98	- 0.05	0.04
1.98	2	- 0.05	G	1.99	-0.02	0.02
1.99	2	-0.02	0	1.995	-0.01	0-01
1.995	2	-0.01	0	1.997	×	0.005

.. (b-a) at b=2 is <0.01, Hmee-700+, f(n) is 2.

a	6	fa	€ Cb)	e= 2+b	f(c)	6-9
1.8	1.9	4.06	4.37	1.85	4-21	0.
1.8	1.85	4.06	4-21	1.82	4.13	0.005
1.8	1.82	4.05	4.13	1.81	4-09	0.02
		4.06		1.80	9-66	0-000
1.8	1.50	4.06	1 4.06	1-8	\ \ \ \	0

"." (b-a) at b=1-80 is tox less than 0.0] Hence, the 9200+ is 1.80