Console

n	xn Xn+1	f(xn) Error	f1(xn)
0	3.1415926536 2.8232827674	-1.0000000000 0.3183098862	-3.1415926536
1	2.8232827674 2.7985998935	-0.0661860693 0.0246828739	-2.6814571773
2	2.7985998935 2.7983860621	-0.0005635715 0.0002138314	-2.6355881614
3	2.7983860621 2.7983860458	-0.0000000431 0.0000000163	-2.6351854846
4	2.7983860458 2.7983860458	-0.0000000000 0.0000000000	-2.6351854538
5	2.7983860458 2.7983860458	-0.0000000000 0.0000000000	-2.6351854538

Therefore, the root is 2.7984