The Time Value of Money

The following scenario illustrated how powerful the time value of money can be.
The example is based on a 10% compound rate with investment on January 2nd of each year.

Age	Investment	Total Value
19	$ 2,000.00	$ 2,200.00
20	$ 2,000.00	$ 4,620.00
21	$ 2,000.00	$ 7,282.00
22	$ 2,000.00	$ 10,210.00
23	$ 2,000.00	$ 13,431.00
24	$ 2,000.00	$ 16,974.00
25	$ 2,000.00	$ 20,871.00
26	$ 2,000.00	$ 25,158.00
27	$ -	$ 27,674.00
28	$ -	$ 30,442.00
29	$ -	$ 33,486.00
30	$ -	$ 36,834.00
31	$ -	$ 40,518.00
32	$ -	$ 44,570.00
33	$ -	$ 48,027.00
34	$ -	$ 53,929.00
35	$ -	$ 59,322.00
36	$ -	$ 65,256.00
37	$ -	$ 71,780.00
38	$ -	$ 78,958.00
39	$ -	$ 86,854.00
40	$ -	$ 95,540.00
41	$ -	$ 105,094.00
42	$ -	$ 115,603.00
43	$ -	$ 127,163.00
44	$ -	$ 130,880.00
45	$ -	$ 153,868.00
46	$ -	$ 169,255.00
47	$ -	$ 188,180.00
48	$ -	$ 204,798.00
49	$ -	$ 226,278.00
50	$ -	$ 247,806.00
51	$ -	$ 272,586.00
52	$ -	$ 299,845.00
53	$ -	$ 329,830.00
54	$ -	$ 362,813.00
55	$ -	$ 399,094.00
56	$ -	$ 439,003.00
57	$ -	$ 482,904.00
58	$ -	$ 531,194.00
59	$ -	$ 584,314.00
60	$ -	$ 642,745.00
61	$ -	$ 707,202.00
62	$ -	$ 777,722.00
63	$ -	$ 855,494.00
64	$ -	$ 941,043.00
65	$ -	$ 1,035,148.00

Age	Investment	Total Value
19	$ -	$ -
20	$ -	$ -
21	$ -	$ -
22	$ -	$ -
23	$ -	$ -
24	$ -	$ -
25	$ -	$ -
26	$ -	$ -
27	$ 2,000.00	$ 2,200.00
28	$ 2,000.00	$ 4,620.00
29	$ 2,000.00	$ 7,282.00
30	$ 2,000.00	$ 10,210.00
31	$ 2,000.00	$ 13,431.00
32	$ 2,000.00	$ 16,974.00
33	$ 2,000.00	$ 20,871.00
34	$ 2,000.00	$ 25,158.00
35	$ 2,000.00	$ 29,874.00
36	$ 2,000.00	$ 35,072.00
37	$ 2,000.00	$ 40,768.00
38	$ 2,000.00	$ 47,045.00
39	$ 2,000.00	$ 53,949.00
40	$ 2,000.00	$ 61,544.00
41	$ 2,000.00	$ 69,899.00
42	$ 2,000.00	$ 79,089.00
43	$ 2,000.00	$ 89,198.00
44	$ 2,000.00	$100,318.00
45	$ 2,000.00	$112,550.00
46	$ 2,000.00	$126,005.00
47	$ 2,000.00	$140,805.00
48	$ 2,000.00	$157,086.00
49	$ 2,000.00	$174,094.00
50	$ 2,000.00	$194,694.00
51	$ 2,000.00	$216,363.00
52	$ 2,000.00	$240,199.00
53	$ 2,000.00	$266,419.00
54	$ 2,000.00	$295,261.00
55	$ 2,000.00	$326,988.00
56	$ 2,000.00	$361,886.00
57	$ 2,000.00	$400,275.00
58	$ 2,000.00	$442,503.00
59	$ 2,000.00	$488,953.00
60	$ 2,000.00	$540,048.00
61	$ 2,000.00	$596,253.00
62	$ 2,000.00	$658,078.00
63	$ 2,000.00	$726,086.00
64	$ 2,000.00	$800,895.00
65	$ 2,000.00	$883,185.00