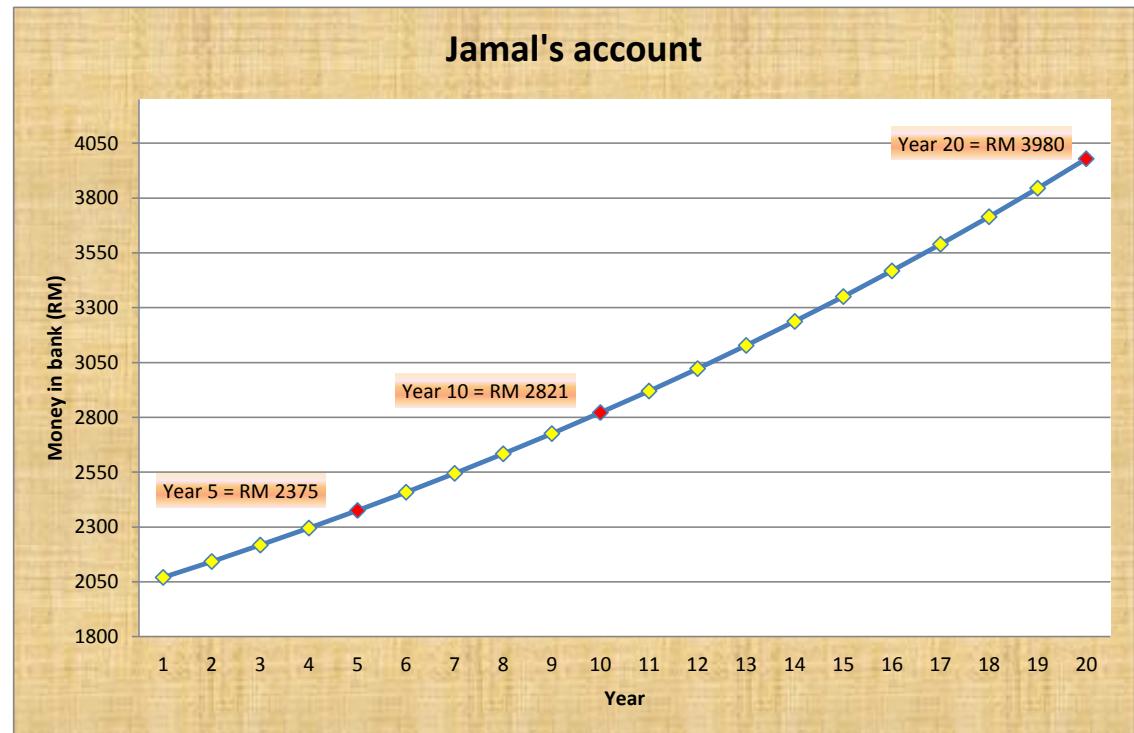


Exploration 2:

Jamal opens a savings account with RM 2,000.00 as the principal amount with 3.5% interest rate. If the bank calculates compound interest once a year, how much money will John have after 5 years, 10 years, and 20 years.

| Year | Original Principal (RM) | Interest rate | Money in bank (RM) | Interest earned each year |
|------|-------------------------|---------------|--------------------|---------------------------|
| 1 | 2000 | 0.035 | 2070 | 70 |
| 2 | 2000 | 0.035 | 2142 | 142 |
| 3 | 2000 | 0.035 | 2217 | 217 |
| 4 | 2000 | 0.035 | 2295 | 295 |
| 5 | 2000 | 0.035 | 2375 | 375 |
| 6 | 2000 | 0.035 | 2459 | 459 |
| 7 | 2000 | 0.035 | 2545 | 545 |
| 8 | 2000 | 0.035 | 2634 | 634 |
| 9 | 2000 | 0.035 | 2726 | 726 |
| 10 | 2000 | 0.035 | 2821 | 821 |
| 11 | 2000 | 0.035 | 2920 | 920 |
| 12 | 2000 | 0.035 | 3022 | 1022 |
| 13 | 2000 | 0.035 | 3128 | 1128 |
| 14 | 2000 | 0.035 | 3237 | 1237 |
| 15 | 2000 | 0.035 | 3351 | 1351 |
| 16 | 2000 | 0.035 | 3468 | 1468 |
| 17 | 2000 | 0.035 | 3589 | 1589 |
| 18 | 2000 | 0.035 | 3715 | 1715 |
| 19 | 2000 | 0.035 | 3845 | 1845 |
| 20 | 2000 | 0.035 | 3980 | 1980 |



Jamal will have:
 RM 2,375 after 5 years
 RM 2,821 after 10 years
 RM 3,980 after 20 years



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