COMPOUND INTEREST


Ex: You deposit \$4000 in an account that pays $2.92 \%$ annual interest. Find the balance if the interest if compounded:
a) quarterly

$$
\frac{0,2,92}{100}
$$

$$
n=4 \quad p=4000 \quad r=0.0292
$$

b) daily

$$
t=1
$$

$$
A=4000\left(1+\frac{0.0292}{4}\right)^{4(1)}
$$

$$
n=365
$$

$$
\begin{aligned}
& A=400\left(1+\frac{0.0292}{365}\right)^{365} \quad \$ 4118.09 \\
&=4118.52
\end{aligned}
$$

c) annually

$$
n=1
$$

