

Q1

```
x = 1
for i in range(365):
    x = x * 1.02
    # or m = m + m * 0.02, which is the same
print(x)
```

Q2

```
x = 1
for i in range(365):
    x = x * 1.03
    if i % 14 == 0:
        x = x * 0.9
print(x)
```

Q3

```
x = 1
for m in range(1, 13):
    if m == 3 or m == 5:
        x = x + 100
    if m % 2 == 0:
        for i in range(30):
            x = x * 0.95
    else:
        for i in range(30):
            x = x * 1.1

    print(f"End of month #{m}: {x}")
```

Q4

```
for x in range(1, 11):
    print()
    for y in range(1, 11):
        print(x * y, end = " ")
```

```
# Q5
print()
for x in range(1, 11):
    print()
    for y in range(1, 11):
        if x * y < 10:
            spaces = " " * 2
        else:
            spaces = " " * 1
        print(f"{x * y}{spaces}", end = " ")
```