

Chapter 14

How to code scripts

Exercises

1. **(25 Points)** Write a script that calculates the common factors between 10 and 20. To find a common factor, you can use the modulo operator (%) to check whether a number can be evenly divided into both numbers. Then, this script should print lines that display the common factors like this:

```
Common factors of 10 and 20
```

```
1
2
5
10
```

2. **(25 Points)** Write a script that attempts to insert a new category named “Guitars” into the Categories table. If the insert is successful, the script should display this message:

```
SUCCESS: Record was inserted.
```

If the update is unsuccessful, the script should display a message something like this:

```
FAILURE: Record was not inserted.
```

```
Error 2627: Violation of UNIQUE KEY constraint
'UQ__Categori__8517B2E0A87CE853'. Cannot insert duplicate key in object
'dbo.Categories'. The duplicate key value is (Guitars).
```