

Solutions

Session 1 Solutions

Exercise 1.2

Subtraction:

$$5 - 6$$

Multiplication:

$$8 * 9$$

Division:

$$6 / 2$$

Division by zero:

$$5 / 0$$

Float division:

$$5.0 / 2$$

Modulo (remainder):

$$5 \% 2$$

Brackets:

$$2 * (10 + 3)$$

Exponent (x to the power of y)

$$2 ** 4$$

Exercise 1.3

"Cat"

```
"Cat videos"
```

```
"CatCatCat"
```

```
Traceback (most recent call last):  
  File "<stdin>", line 1, in <module>  
TypeError: can only concatenate str (not "int") to str
```

```
"CAT"
```

```
"cat"
```

```
"The Lord Of The Rings"
```

Exercise 1.4

```
cats = 10  
cans = 2  
  
total_cans = cats * cans  
  
output = str(cats) + " cats eat " + str(total_cans) + " cans"  
print(output)
```

Extension Solution

```
cats = 10  
cans = 2  
days = 7  
  
total_cans = cats * cans * days  
  
msg = str(cats) + " cats eat " + str(total_cans) + " cans in " + str(days)  
+ " days"  
print(msg)
```

Exercise 1.5

```
cats = 10  
cans = 2  
  
total_cans = cats * cans  
  
output = "{} cats eat {} cans".format(cats, total_cans)  
print(output)
```