Exercise sheet 1 answers

```python
num1 = raw_input("Enter first number: ")
num2 = raw_input("Enter second number: ")
result = num1 + num2
print num1, '+', num2, '=', result
```

ANSWER ABOVE IS WRONG! NEEDS TO USE TYPECASTING

```python
num1 = int(raw_input("Enter first number: "))
num2 = int(raw_input("Enter second number: "))
result = num1 + num2
print num1, '+', num2, '=', result
```

Exercise sheet 2 answers

Exercise 1

```python
num1 = int(raw_input("Enter first number: "))
operator = raw_input("Enter operator (e.g. +, -, *, /): ")
num2 = int(raw_input("Enter second number: "))
if operator == "+":
    result = num1 + num2
    print num1, '+', num2, '=', result
if operator == "-":
    result = num1 - num2
    print num1, '-', num2, '=', result
if operator == "*":
    result = num1 * num2
    print num1, '*', num2, '=', result
if operator == "/":
    result = num1 / num2
    print num1, '/', num2, '=', result
```

Exercise 2

```python
num1 = float(raw_input("Enter first number: "))
operator = raw_input("Enter operator (e.g. +, -, *, /): ")
num2 = float(raw_input("Enter second number: "))
if operator == "+":
    result = num1 + num2
    print num1, '+', num2, '=', result
```

```python
if operator == "-":
    result = num1 - num2
    print num1, '-', num2, '=', result
if operator == "*":
    result = num1 * num2
    print num1, '*', num2, '=', result
if operator == "/":
    result = num1 / num2
    print num1, '/', num2, '=', result
```

Exercise 3

```python
for i in xrange(0,101):
    print i
```

Exercise 4

```python
for i in xrange(0,100):
    if i >= 20 and i <= 25:
        print i
    if i >= 70 and i <= 80:
        print i
```

Exercise 5

```python
for i in xrange(0, 81):
    if i % 4 == 0:
        print i
```

Exercise 6

```python
for i in xrange(0, 81):
    if i % 4 == 0:
        if i < 10 or i > 25:
            print i
```