

NOTE: Make sure you know how to do simple arithmetics with variables. So, the rules of adding, multiplying, and subtracting 2 variables.

1. Create a class called Variable with instance variables coeff for the coefficient and degree (the power).
2. Create a class called Polynomial that has two variables as instance variables.
3. You should be able to add, subtract, and multiply 2 variable expressions.

Example

```
var1 = variable(4,2)
```

=> $4x^2$

```
var2 = variable(3,1)
```

=> $3x$

```
p = polynomial(var1,var2)  
print(p.multiply())
```

=> $4x^2 * 3x$

The output should be $12x^3$

BE CAREFUL! This program has a lot of edge cases. Think of every possible value for coefficients and powers. For example, if I do $0x^2 * 3x$, the output should be 0 and not $0x^3$.