Lists and HOFs

(a) Determine the domain and range of the following Snap! blocks.

Domain: _____,

Range: ____

Domain of Foo: _____

Range of Foo:

Type of Bar: _____

set	bar ▼	to foo
	Dai	100

(b) Fill in the information table for the Higher Order Functions.

Higher Order Function	Domain	Range	Notes
map Over 🗏 🕕			
keep items such that from 🖽			
combine with (items of E			

Function Input

	Туре	Domain	Range	Notes
тар				
keep				
combine				

(c) Fill in the blanks so that Keep reports a list of the numbers from MyList.

MyList = list(3, hello, 8, goodbye, 4, 7)
Keep items such that (______) from (_____)

(d) Write an expression that report	ts the sum of the squares o	of the numbers
in YourList.		

```
YourList = list(4, 2, 3, 1)
```

(e) Complete the following block so that it works as described.

```
prepend every anti dote pasto gone body

+ prepend + every + word + sentence +
```

(f) Describe the output of the following code. OurList is a list of words.

```
combine with join 1) items of
map letter length of 0 over Our List ()
```

Challenge Problem

(a) Given a list of salaries, some of which go into the millions, return the salary of the lowest-paid millionaire. You are allowed to use a() min () helper block that takes two numbers as inputs and reports the minimum of the two numbers.

```
lowest-paid millionaire (list 1 2 3000000 4 5000000 6 +) 3000000

+lowest-paid+millionaire+ list +
```