Programming Paradigms

Question 4: Draw lines to match the four programming paradigms with their descriptions.

a) functional

b) imperative

c) object-oriented

d) declarative

1) answer a question via search for a solution

2) construct instances from classes and send messages between them

3) follow a list of instructions one by one

4) evaluate an expression and use the result

Debugging

Question 8: We are trying to write a new predicate block that will return `true` when a particular value is present within a list. Unfortunately, there is a bug.
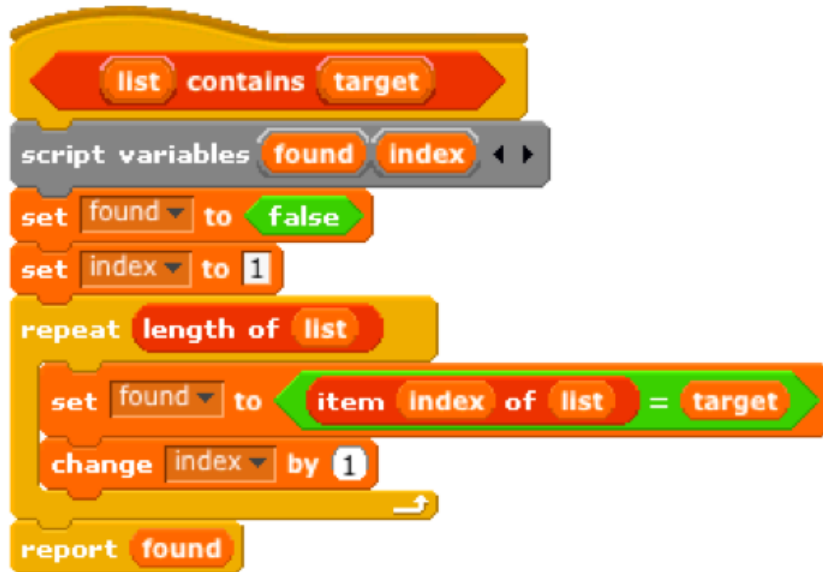
a) Give an example of values of **list** and **target** for which this code works correctly, despite the bug.
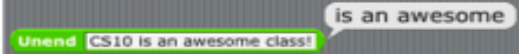
Debugging Part 2

Question 8: We are trying to write a new predicate block that will return `true` when a particular value is present within a list. Unfortunately, there is a bug.
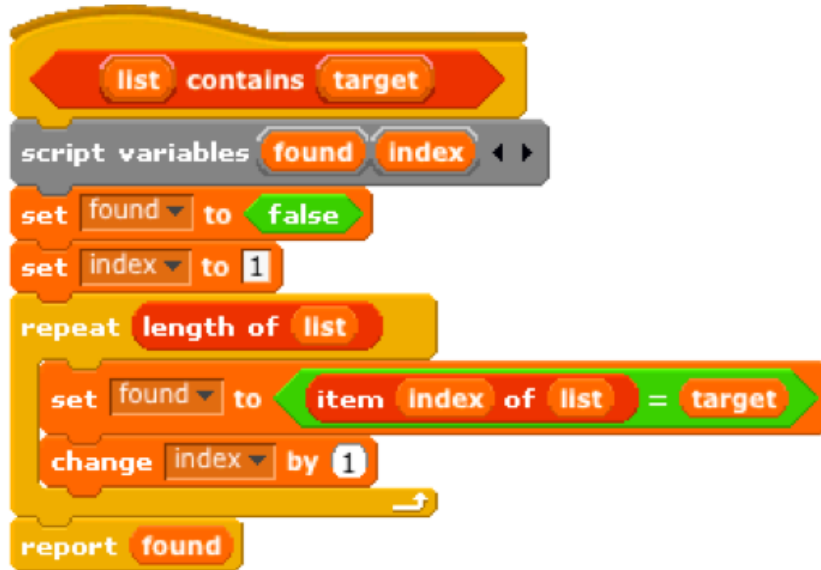
b) Describe what you would change so that the block will work correctly for all inputs.

Float like a Butterfly, String Like a Bee*

Block	Description	Word example	Sentence example
Length	Report the number of letters in a word / words in a sentence	Length Bears → 5	Length Cal is fun → 3
Unend	Remove the ends of a word / sentence.	Unend Bears → ear	Unend CS10 is an awesome class! → is an awesome
Double	Double a word / sentence	Double Bears → BearsBears	Double Cal is fun → Cal is fun Cal is fun
RightDup	Duplicate the rightmost letter / word	RightDup Bears → Bearss	RightDup Cal is fun → Cal is fun fun
LeftTrim	Remove the first letter / word from the left	LeftTrim Bears → ears	LeftTrim Cal is fun → is fun

a) _____(I love cal)___ → 9

b) _____(go bears and beat stanford)___ → dan

*Ok I promise about the "no more puns" this time.