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Web Programing Fundamentals

Problem Solving

**Problem 1 – A Cat, a Parrot, and a Bag of Seed**

1. Define Problem

* To get all the passengers to the other side of the river without leaving the wrong ones alone together

1. Break the problem apart

* In the absence of the man, the cat could eat the parrot, and the parrot would eat the bag of seed.

1. Identify Potential Solutions

* The parrot can go first

1. Evaluate each potential solution

* The parrot going first the cat will not eat the bag of seed

1. Choose a solution

* The man takes the parrot to the other side first, comes back alone.
* Takes the bag of seed to the other side.
* Leaves the bag of seed the other side and take the parrot back to the initial point
* Leaves the parrot and takes the cat to the other side.
* Leaves the cat with the bag of seeds and go back to the initial point by himself
* Takes the parrot to the other side again, and he will have all the on the other side of the lake.

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* Leaves the cat with the bag of seeds and go back to the initial point by himself
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**Problem 3 – Predicting Fingers**

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1. Identify Potential Solutions

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* The parrot going first the cat will not eat the bag of seed

1. Choose a solution

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* Takes the bag of seed to the other side.
* Leaves the bag of seed the other side and take the parrot back to the initial point
* Leaves the parrot and takes the cat to the other side.
* Leaves the cat with the bag of seeds and go back to the initial point by himself
* Takes the parrot to the other side again, and he will have all the on the other side of the lake.