* “A nut for a jar of tuna” this is an example of a palindrome sentence. A palindrome sentence is those that can be spelled the same way forward and backward. Into the next table on the right side, write down the step-by-step (natural language, NO CODE) to determine if a sentence is a palindrome or not. On the left side list all the java functions you can use to solve this problem.

|  |  |
| --- | --- |
| **Java Functions** | **Step - by - step or algorithm** |
| charAt  List method add(“”) | * First get char by char and store to list but exclude (“,” “ ”) |
| List.size() | * Second I need to know the size of the string |
|  | * Iterate the list and return if it’s true or false   Limit = list.size/2;  Boolen palindromo = true;  Int i= 0;  While(palindromo and (i < limit ) ) {  If(!(list.get(i) equal list.get(list.size - i))  Palindromo = false;  Else  i++;  } |
|  |  |

* You have a piggy bank, you can only insert coins of the following denomination.

50, 100, 200, 500 & 1000

Keeping in mind the previous description:

* Represent the logic of a piggy bank using java code. means that you can insert but not remove coins.
* You have the option to know how many coins are in the piggy bank.
* You have the option to how many coins are by a specific denomination.