

problem domain
write function that
takes an array and
number and returns
anew array that have
number at middle index

Algorithm:
1.Create method have
array and number
parmeters
2.create anew array
have length of
parameter array+1
and
calculate middle index

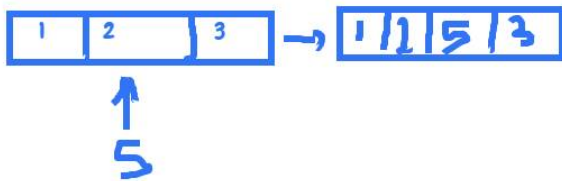
3. create for loop
that

loops to give new
array
values dependes on
the
middle length of
previous one by use if

statments

4.return new array

Visual



pseudocode:
input:arr1
output:arr2

middle inedx=midind
for loop over arr2.length
if i>midin assign arr2 with arr2

if i==midind assign
arr2[i]=number
else assign arr2 with arr1[i-1]
return arr2

Test:

test differnt arrays
with differnet lengths