1705045 Iftekhari Hakim

@ Test no) with all energy = eng two

void test-function &

int a e[];

a= new int[10];

a= {1, 2, 3, 4, 5, 6, 7,8,9,10};

· . I dy a wir trois protect

assert Equals (5.5, given-function(a));

a= new int [2];

a= { 152};

assert Equils (1.5, given-function (a)); a= newint [1]; a= voog o);

assent Equals (0, givenfunction (a));

a = new int [3];

a= \{-1,-2, -3\};

assent Eavals (-2, given-function(a));

a = noll;

assert Equals (0, given-function(0)).

((parma) toros

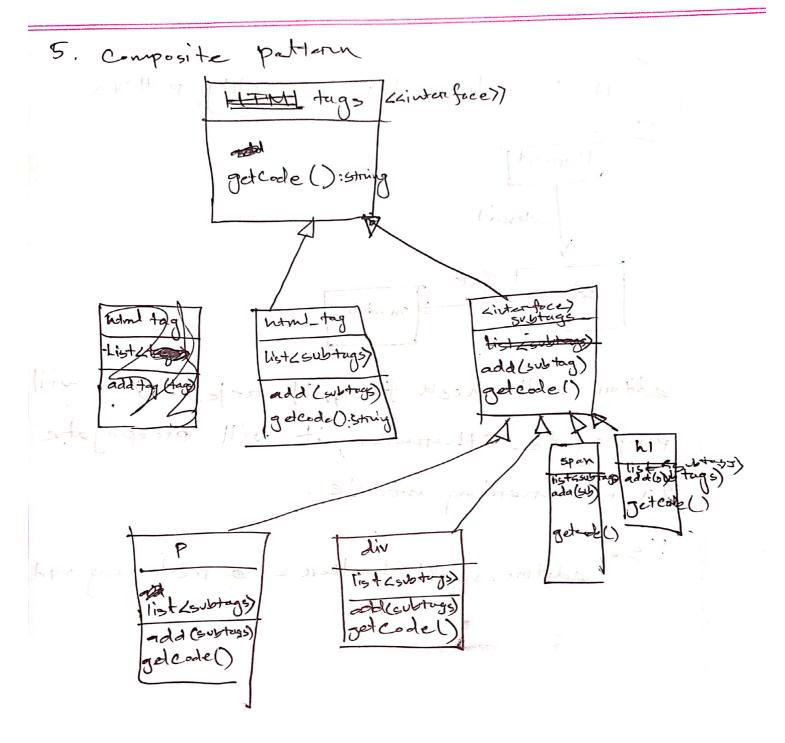
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```
void testing (int armay[], int what) &
   int pos = given-function (array, what);
   int pros2 =-1;
    for (int i= 0; i < array sized); i++) }
        if (array[i]= what) }
         P052 = 11
 without break; of
    assent Earnals (pos, pos2):
void create- cases () }
   forclint cas=1; cas=10; cas+1) &
      int n= random (1.50);
        array = new int [n].
        for (int 1=0; i<n; i++) }
           array[i] = rendom (0,100);
      South (array);
    i testing ();
```

dovernise 2 implement Generators public String & general Report (String Client Cale) & class adapter & implements Grenerator & @ overvide publishing garrande sheport (string NID) & String Client Code = Map Map get _ code (NID); Report report = new Report (); reportingenerate feport (dientende); intervace Generator String gonerate Report (5tring 5);

Mediatore patteren is svitable. class Afritze-Stie Control & bool runway-empty = true; bool recieve-request (strong sender) & if (reunway - empty) } print (sendent " is permitted"). to reunway - empty = false; rection true; traturn false; void bood plane-gleft (string sender) } runnay-empty= true; sprint (sendere + " has left");

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is chain of trasponsibility pattern. Report edfor if ok module editor will check first, If rejected, it. propagate otherwise, it will propagate to redenering module 50, editor. nedt Checker = me tredering medule. 7. Street egg pattern. inderefock function of void execute (String input); class normalization implements function & void exercts (strong imput) & class stemming imperment functions vid execute (ctring impt) } class Processing Toolhut & function f; viid execute () {