

H Avaylist (Dynamic oway) 0 1234 int [] our = new int [s] Away List < Integr > al = 1ew Armay List < > (); # Synlan al.add(Is) # add al. add (1); al. get (idn); # get intra=al.get(1) al. set (1,30) # set al. set (ida, xal); al. size(); # 512

al. remove (idre) -> O(n) -, shifting of indene # Remove

Implement A rosaglist - add - size - get - remove 1 set

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الك العلم من الله
                                                                                                                      siz=p)x
oublic void remove(int idx){
   if(idx<0 && idx>=size){
      System.out.println(x: "Array index out of bound");
                                                                                2
                                                                                              10
   for(int i=idx; i<size; i++){</pre>
                                                                 ArrayList-at=new ArrayList();
      data[i]=data[i+1];
                                                                 for(int val=2; val<=10; val=val+2){</pre>
                                                                                                     1/d=2 4 6 3 10
                                                                     al.add(val);
      private void doubleTheSpace(){
                                                                 for(int i=0; i<al.size(); i++){</pre>
          int[] newData=new int[2*data.length];
                                                                     int val=al.get(i);
                                                                     System.out.println(val);
         for(int i=0; i<data.length; i++){</pre>
             newData[i]=data[i];
                                                                 al.set(idx: 3,val: 45);
         this.data=newData;
                                                                 System.out.println(al.get(idx: 3));
                                                                           public int get(int idx) {
     public void add(int val){
                                                                               if(idx<0 && idx>=size){
         if(size==data.length){
                                                                                  System.out.println(x: "Array index out of bound");
             doubleTheSpace();
                                                                               return data[idx];
         data[size]=val;
          size++;
```