```
Day-10
(2) Find the smakest and the cecoud smallest element in a given
arr > 5 10 1 -5 6
    smallest > -5 second smallest > 1
  Case > assume that atleast 2 distinct clements will be then
      no of elements > 6
        ourr -> 10 6 7 5 5
         smallest > 5
        second smallest > 6
            import pour autêl. Scanners
             puble static void main (string [] args) y
            class class Ax
             scanner se = new scanner (system. En);
               int N = sc-next Int ();
        int our () = new int[n);
              for (int i=0; i2 N; i++) é arr [i] = sc-next=In+(1; y
           int min = Integer MAX_VALUE;
             for(int i=0) i2 N; i++)2
              if (arr [i72min) d
                  min = am [i1]
            C.o.pholmin);
             int cec_min = Integer. MAX_VALUE;
               for (int i=0; PLN; i++) &
                   if (arrti1==min) continue;
                  ef (ametil 2 sec-min) sec-min = amtil;
                                          12-(sec-min== Integer.
              s.o.pin (see_min);
                                                    MAX_VAWERY
                                            min=-1;
Sec-min =-1;
```

 $\mathcal{N}=\frac{1}{2}$

7, [5

,[11]

], [I

1,5

```
Better approach
     Put men = Integer. MAX_VALUE;
     int sec-min = Integer. max-value;
                                                                                                                                                   min=1
        for (int 1=0; 12N; P++) 2
                        if (arrti) 2 min) & sec-min=2
                                 sec-min = min;
             Else it (arrifi) Lsec-min) &
                                                                                                                                         secmin=overtis
                                                                                                                             And frellering For
                   So.ph [min+" "ffee-min);
                                 The Control of the Co
   a) Print reveue of a given accuay
                                                                                2 methods
                                                                           int r=0
                                                                                   ent s= No-7;
             010=>5432
                                                                    while (i Zj) V
                                                                   \Rightarrow arr[n-1] = arr[i];
          int temp=aurli]; (01)
                                                                                          アナナラ
         arrtij;
               arr (;)=temp;
                                                                as Find for median of given sorted assuag
```

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Administration of their

```
Better approach
```

```
Put men = Integer. MAX_VALUE;
ent sec-min = Integer. max-value;
     for (int 1=0; 12N; 144) 2
                                    if (arrti) 2 min) &
                                                        sec-min = min;
               Else if (arrifi 72 sec-min) &
                                                    secmin=over[i];
                            So.ph [min+" "+ fee-min);
                                                     The Control of the Control of the State of t
```

5 4 1 2 3 min=1

August Fredhammer Fredhammer

a) Print reverse of a given accerage

```
2345 int P=0
```

2 methods 1) Arrays. reveuse (arr)

while (i Zj) di $\Rightarrow arr[n-1] = arr[i];$ int temp=auti]; (or) アナナラ am [i] = arrtsi; arr (;)=temp;

and the first (dill) . I jay vas) 4" as Frud tu median of given sorted assuag - 10 m - 10 m - 19 m - 19 m - 1 m -