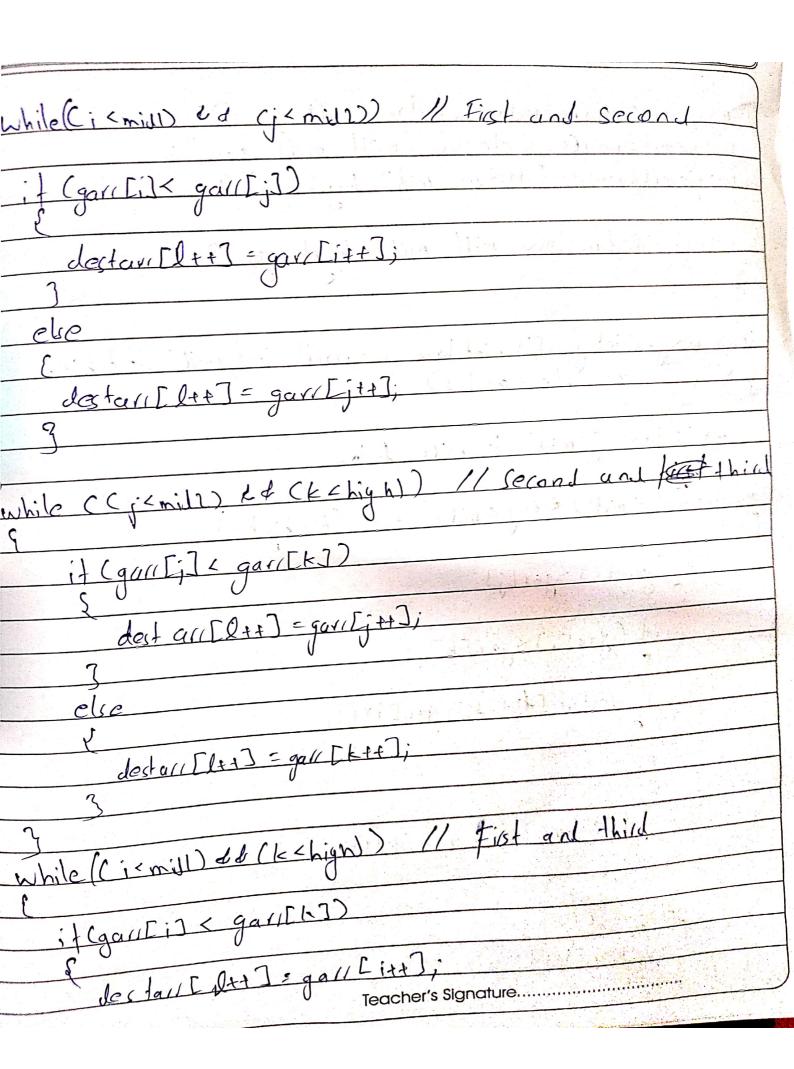
int main()	
	a de la
int data []= {45, -7, -45, 78, 70,	42, 10, 19, 77,97 35, 1;
mergeso (+3 way (data; 10);	I. die in bereit
points ("After Two meyers (alt) ");	
to((i=0; i<10; i+1]	
printf(" /llo", duta[i]);	and miles
returno;	[0] [1] [1] [1] [1]
7	
	123 F.7 F17 F17 F17
Void meyesortishing Cint guilty, into	[1] [1] [1] [1] [1] [1] [1] [1]
i = 0	िर्या १ विकास
(e) un; or or	0 (0)+0 0 mm 0 = 2"
int dan Endi	2
-loc(i=o;i <n;i+) dyplicat<="" td=""><td>e array</td></n;i+)>	e array
tous [i] = a actili	
me yesolt 3 Nuyles Ctarle, D. N. gar	
for Ci=oji <nji+t)< td=""><td>Juplicate array to original array</td></nji+t)<>	Juplicate array to original array
gar([i]= far([i]; //	deplicate along 10 congencially
woid mergesor/Bourgee (int gare [7] int law, int high, int declare [7]	
if (hig-low<2) //size of array allead(3)	
Teacher's Signature	

// anc 1] in flist reconsion int midl = low + ((high-low)/3); //anclid in first reconssion int midl = low+2 + ((high-low)/3)+1;//arclid in first reconssion mergesort 3 way rec (destarr, low, midl, garr);
mergesort 3 way rec (destarr, midl, midl, garr);
mergesort 3 way rec (destarr, midl, high, garr); merge (destorr, low, midl, mid 2, high, gare); void marge Cintgaries, int low, int mids, int mids, int high, int destaries int i= low, j=mill, l= mill, l= low; while((i < mid1) & b(j < mid2) & b (K < high)) if (gari [i] <gar[j] if (gar[i] < gar[k] destarr[A+] = gar[i++];
gerse 7 destan [1++] = ga//[k++]; Else { destan [las] = gan [k++];

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```
clse
{
  dest all[l++] = garl[k++];
}

while (;<mid!)
  destarr[l++] = garl[i++];
  CREDIT

while (;<mid!)
  dostarr[l++] = garl[j++];
  while (!<high)
  destarr[l++] = garl[k++];
}

destarr[l++] = garl[k++];
```