```
Soru 1
Aynı degerli icerebilecek bir dizis verilderinde, bin elemenlorı ve bunların frekanslarını yozun
Sevabi
# Frolide (stdio. h)
 fat main()
Fint on [mex_Size];
 Pot freg [nex size ]
                                                                  1226306004
 Put size, Ti, conti
                                                                    mehmet falin
 Print ("Dizinin boulonglin:");
 Sconf1" % 2", 8 size 15
                                                                             Atas
Printf("Dizi elanon lormainin \n");
 for (1=0, i < size; i++)
 Sconf (" 95d, & arr [i];
  freq[i]=-1;
 for (i=0; 9(5)2e; f++)
  3 count=1;
  for (3=9+1) J(size 1 J++)
  Jetlanti] == on []]
  Count ++5
 trea (5]=00
  freq[i] !=01
  freq[i] = conti
  Printf ("In Pin elemon lor ve frekonslor: In");
  for (iso) i (size; it+)
  of (freg [i] !=0)
  Printf (">d occurs 90d times In", arr [1], feg [i]i
  3 return 03
```

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Son 2
 The stratomer dizt rendiginde, onlors stratomer bir sekilde birlertires c to done out
  # Frolude Lotaio. W
 void birlettir (Fort dies 1[], int len 1,906 dies 2], 901 les 2,901 birlettir mis (3)
  PAG 1=0, J=0, K=0]
  while (92 len 1885 (len 2)
  St(915: 1[:] <915:5[2])
  Lir les 6: Mais [k++]=dizi 1[i++];
  Jelse 5
                                                            mehmet
  birlestininis [K++] = dizi 2 [J++]i
                                                                  fath
                                                                      Afas
  while (i (len 1) }
    bir lestimmis [k++]= dizi1 [i++];
                                                             1226706004
 while (5 Klen2) 5
  birlestinimis [k++]=diz+2 LJ++];
Pat main 1) 5
Port disi1 [] = [1.3.5.7.9];
ant len 1 = size of (dizi1) / size of cint);
Tht dizi 2[] = 52,4,6,8,10);
int les 2=5120 of (die12) \ 512e of (int);
int birlestimmis Llent + len 200
birlestirldizi 1, len 1, dizi 2, len 2, birlestirilmis);
for (int i=0; i < le1 + le2; i++ ) }
 Print (" 40d, Sirlestinimis [i]);
 Print("1");
   returnoi
```

```
Son 3
The siralannis bastantili listegi Lirleitinin ve yeni bir siralannis listege dindirin, Yen listede
Cevap
# include (stdio.h)
# include (Stdlib-h)
 typedel struct lix Nodes
                                                                    mehmet
 · ant val;
                                                                       fa En
  struct list Node * Next;
                                                                         Atas
 3 List Node;
                                                                   1226706004
 list wode * birlestir (list wode * 11, l'ut wode * 12) 5
   listhade birlettinimis =0 (0), * current = & birletinimis
while (118812) 5
ff( |1-1 val (2-> val) {
    current -> next=11;
 11=11-7 next;
3 elses
  current -> next=12;
  12=12->next;
 ament = arrest -> next;
current->next= 117/1:12;
return birlestirilmis nexts
 ind main (13
list Node (16)= 591, 8/16/133, 52, 8/16233, 4. Novilla
Fist Node 12 []= 33 1, 8/2[1] 3, [3, 8/2[2]], [4, NUII]?.
 list Mode * birlestir nomis = birlestir (11, 12);
 while (birletinimist) }
 Printf ("90d", birlestinais -> val);
2 birler Eirilmis = birler EIrilmis -> nexts
 return 0;
```

```
Son 4 "ncevab"
# notide (stdio.h)
                                                          mehnet fath Atas
# include (stellib.h)
                                                             1226706004
11 bag antili lesteleria d'pin yapur struct Node [
Ent val:
 strict Mode * Mext;
 3:
 11 yen: Ligila Olysturna Ponksyon
 struct Mode* new Mode (int val) {
 struct node + temp = (struct wode *) malloc (size of (struct wode !);
 tenP->next=Null;
 return temps
Viki boslontili listerin tollamını hexplayon forksison
 Struct Mode *addlists litract Mode *11, struct Mode *12) }
 struct node tres = NUll;
  struct Node *temp, * Prev=null;
  int cores =0, sumi
while (11! = NUII 1/12! = NUII) {
Sum=caro + (117/11 > val: 0) + (12?12 -> val: 0);
corry = (sun >= 10) 1 1:0)
 Sum = sum % 10;
 temp= New node County
  aftres == nulls
  res=tenp;
 else }
   Prev-snext =tonp;
  Prevatemps
                           aff (com >0) ]
  14(11)}
    11=11->next;
                               tend -> next = new Mode (corry);
   ef (12) 5
                               return res;
     12=12-2 next
```

mehmet falsh Atas

void serve diblicates (Queue 9) } if (is empty (all eturns char prov='0's while (1 is Emply 1911) chor current = dequevelali if (current (= Prev) { Prev= arrent enqueue (9, arrent); int main(1) Queue 9 = create Preve (): char str [Max-S15@]; Printf (Enter a string); sconf(85,5tr); (++1:0=1[1] 76 ; O= +ni) rof enquevel9, str [i]; remove diblicates (9); Print & (Result); while! is emply (911; printf(95 c, desqueve(91);