



SAB104 Bilgisayar Programlama

Hafta 14 – Rasgele Erişimli Dosyaya Ekleme

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Lütfen EK3 dosyasına bakınız



' Bu program OGRENCI kütüğünü öğrenci
' numarasına göre sıraya dizez

TYPE OGRTUTANAK

OGNO AS STRING * 13
ADI AS STRING * 10
SOYAD AS STRING * 10
VIZE1 AS INTEGER
VIZE2 AS INTEGER
FIN AS INTEGER
SIL AS INTEGER

END TYPE

DIM IPRGOGNO AS STRING * 13
DIM IPRGADI AS STRING * 10
DIM IPRGSOYAD AS STRING * 10
DIM IPRGVIZE1 AS INTEGER
DIM IPRGVIZE2 AS INTEGER
DIM IPRGFIN AS INTEGER
DIM IPRGSIL AS INTEGER

DIM JPRGOGNO AS STRING * 13
DIM JPRGADI AS STRING * 10
DIM JPRGSOYAD AS STRING * 10
DIM JPRGVIZE1 AS INTEGER
DIM JPRGVIZE2 AS INTEGER
DIM JPRGFIN AS INTEGER
DIM JPRGSIL AS INTEGER

DIM OGRENCI AS OGRTUTANAK

OPEN "OGRENCI" FOR RANDOM AS #1 LEN = LEN(OGRENCI)

OPEN "R", #2, "TUTSAY"

FIELD #2, 6 AS TUT\$

GET #2, 1

TSAY% = CVI(TUT\$)

KONTROL = 1

FOR I% = 1 TO TSAY% - 1

GET #1, I%, OGRENCI

IPRGOGNO = OGRENCI.OGNO

IPRGADI = OGRENCI.ADI

IPRGSOYAD = OGRENCI.SOYAD

IPRGVIZE1 = OGRENCI.VIZE1

IPRGVIZE2 = OGRENCI.VIZE2

IPRGFIN = OGRENCI.FIN

IPRGSIL = OGRENCI.SIL

FOR J% = I% + 1 TO TSAY%

GET #1, J%, OGRENCI

JPRGOGNO = OGRENCI.OGNO

JPRGADI = OGRENCI.ADI

JPRGSOYAD = OGRENCI.SOYAD

JPRGVIZE1 = OGRENCI.VIZE1

JPRGVIZE2 = OGRENCI.VIZE2

JPRGFIN = OGRENCI.FIN

JPRGSIL = OGRENCI.SIL

IF JPRGOGNO < IPRGOGNO THEN

OGRENCI.OGNO = JPRGOGNO

OGRENCI.ADI = JPRGADI

OGRENCI.SOYAD = JPRGSOYAD

OGRENCI.VIZE1 = JPRGVIZE1

OGRENCI.VIZE2 = JPRGVIZE2

OGRENCI.FIN = JPRGFIN

OGRENCI.SIL = JPRGSIL

```

        PUT #1, I%, OGRENCI
            OGRENCI.OGNO = IPRGOGNO
            OGRENCI.ADI  = IPRGADI
            OGRENCI.SOYAD = IPRGSOYAD
            OGRENCI.VIZE1 = IPRGVIZE1
            OGRENCI.VIZE2 = IPRGVIZE2
            OGRENCI.FIN  = IPRGFİN
            OGRENCI.SİL  = IPRGSİL
        PUT #1, J%, OGRENCI
            IPRGOGNO = JPRGOGNO
            IPRGADI  = JPRGADI
            IPRGSOYAD = JPRGSOYAD
            IPRGVIZE1 = JPRGVIZE1
            IPRGVIZE2 = JPRGVIZE2
            IPRGFİN  = JPRGFİN
            IPRGSİL  = JPRGSİL
    ELSE
    END IF
    NEXT J%
NEXT I%
CLS
GOSUB BASLIK.YAZ
SATIR = 4
FOR I% = 1 TO TSAY%
    GET #1, I%, OGRENCI
    SATIR = SATIR + 1
    IF SATIR = 22 THEN
        SATIR = 4
        LOCATE 22, 10
        INPUT "Devam için herhangi bir tuşa
            basınız....", BEKŞ
    ELSE
    END IF
    GOSUB BILGI.YAZ2
NEXT I%
GOSUB KUTUK.KAPAT
END
RETURN
BILGI.YAZ2:
    LOCATE SATIR, 6: PRINT OGRENCI.OGNO$
    LOCATE SATIR, 20: PRINT OGRENCI.ADI$
    LOCATE SATIR, 31: PRINT OGRENCI.SOYAD$
    LOCATE SATIR, 44: PRINT OGRENCI.VIZE1
    LOCATE SATIR, 51: PRINT OGRENCI.VIZE2
    LOCATE SATIR, 57: PRINT OGRENCI.FİN
    LOCATE SATIR, 65: PRINT OGRENCI.SİL
RETURN
KUTUK.KAPAT:
    CLOSE #1, #2, #3
RETURN
BASLIK.YAZ:
    LOCATE 1, 30: PRINT "ÖĞRENCİ LİSTESİ"
    LOCATE 3, 6: PRINT " ÖĞRENCİ NO "
    LOCATE 3, 20: PRINT " ADI "
    LOCATE 3, 31: PRINT " SOY ADI "
    LOCATE 3, 42: PRINT "1.VİZE"
    LOCATE 3, 49: PRINT "2.VİZE"
    LOCATE 3, 56: PRINT "FİNAL"
    LOCATE 4, 6: PRINT "-----"
    LOCATE 4, 20: PRINT "-----"
    LOCATE 4, 31: PRINT "-----"

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LOCATE 4, 42: PRINT "-----"
LOCATE 4, 49: PRINT "-----"
LOCATE 4, 56: PRINT "-----"
```

RETURN

Çözüm-4

```
'-----'
'      Bu program OGRENCI kütüğünü öğrencilerin
'      soyadına göre sıraya dizer
'-----'
```

TYPE OGRTUTANAK

```
OGNO AS STRING * 13
ADI AS STRING * 10
SOYAD AS STRING * 10
VIZE1 AS INTEGER
VIZE2 AS INTEGER
FIN AS INTEGER
SIL AS INTEGER
```

END TYPE

```
DIM IPRGOGNO AS STRING * 13
DIM IPRGADI AS STRING * 10
DIM IPRGSOYAD AS STRING * 10
DIM IPRGVIZE1 AS INTEGER
DIM IPRGVIZE2 AS INTEGER
DIM IPRGFIN AS INTEGER
DIM IPRGSIL AS INTEGER
```

```
DIM JPRGOGNO AS STRING * 13
DIM JPRGADI AS STRING * 10
DIM JPRGSOYAD AS STRING * 10
DIM JPRGVIZE1 AS INTEGER
DIM JPRGVIZE2 AS INTEGER
DIM JPRGFIN AS INTEGER
DIM JPRGSIL AS INTEGER
```

DIM OGRENCI AS OGRTUTANAK

OPEN "OGRENCI" FOR RANDOM AS #1 LEN = LEN(OGRENCI)

OPEN "R", #2, "TUTSAY"

FIELD #2, 6 AS TUTŞ

GET #2, 1

TSAY% = CVI(TUTŞ)

KONTROL = 1

FOR I% = 1 TO TSAY% - 1

GET #1, I%, OGRENCI

IPRGOGNO = OGRENCI.OGNO

IPRGADI = OGRENCI.ADI

IPRGSOYAD = OGRENCI.SOYAD

IPRGVIZE1 = OGRENCI.VIZE1

IPRGVIZE2 = OGRENCI.VIZE2

IPRGFIN = OGRENCI.FIN

IPRGSIL = OGRENCI.SIL

FOR J% = I% + 1 TO TSAY%

GET #1, J%, OGRENCI

JPRGOGNO = OGRENCI.OGNO

JPRGADI = OGRENCI.ADI

JPRGSOYAD = OGRENCI.SOYAD

JPRGVIZE1 = OGRENCI.VIZE1

JPRGVIZE2 = OGRENCI.VIZE2

JPRGFIN = OGRENCI.FIN

JPRGSIL = OGRENCI.SIL

IF JPRGSOYAD < IPRGSOYAD THEN

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        OGRENCI.OGNO = JPRGOGNO
        OGRENCI.ADI  = JPRGADI
        OGRENCI.SOYAD = JPRGSOYAD
        OGRENCI.VIZE1 = JPRGVIZE1
        OGRENCI.VIZE2 = JPRGVIZE2
        OGRENCI.FIN  = JPRGFİN
        OGRENCI.SIL  = JPRGSİL
    PUT #1, I%, OGRENCI
        OGRENCI.OGNO = IPRGOGNO
        OGRENCI.ADI  = IPRGADI
        OGRENCI.SOYAD = IPRGSOYAD
        OGRENCI.VIZE1 = IPRGVIZE1
        OGRENCI.VIZE2 = IPRGVIZE2
        OGRENCI.FIN  = IPRGFİN
        OGRENCI.SIL  = IPRGSİL
    PUT #1, J%, OGRENCI
        IPRGOGNO    = JPRGOGNO
        IPRGADI     = JPRGADI
        IPRGSOYAD   = JPRGSOYAD
        IPRGVIZE1   = JPRGVIZE1
        IPRGVIZE2   = JPRGVIZE2
        IPRGFİN    = JPRGFİN
        IPRGSİL    = JPRGSİL

ELSE
END IF
NEXT J%
NEXT I%
CLS
GOSUB BASLIK.YAZ
SATIR = 4
FOR I% = 1 TO TSAY%
GET #1, I%, OGRENCI
SATIR = SATIR + 1
IF SATIR = 22 THEN
    SATIR = 4
LOCATE 22, 10
INPUT "Devam için herhangi bir tuşa basınız....", BEKŞ
ELSE
END IF
GOSUB BILGI.YAZ2
NEXT I%
GOSUB KUTUK.KAPAT
END
RETURN
BILGI.YAZ2:
    LOCATE SATIR, 6: PRINT OGRENCI.OGNO$
    LOCATE SATIR, 20: PRINT OGRENCI.ADI$
    LOCATE SATIR, 31: PRINT OGRENCI.SOYAD$
    LOCATE SATIR, 44: PRINT OGRENCI.VIZE1
    LOCATE SATIR, 51: PRINT OGRENCI.VIZE2
    LOCATE SATIR, 57: PRINT OGRENCI.FİN
    LOCATE SATIR, 65: PRINT OGRENCI.SİL
RETURN
KUTUK.KAPAT:
    CLOSE #1, #2, #3
RETURN
BASLIK.YAZ:
    LOCATE 1, 22: PRINT "SOYAD'A GÖRE ÖĞRENCİ LİSTESİ"
    LOCATE 3, 6: PRINT " ÖĞRENCİ NO "
    LOCATE 3, 20: PRINT "     ADI     "
    LOCATE 3, 31: PRINT "     SOY ADI "

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LOCATE 3, 42: PRINT "1.VİZE"
LOCATE 3, 49: PRINT "2.VİZE"
LOCATE 3, 56: PRINT "FİNAL"
LOCATE 4, 6: PRINT "-----"
LOCATE 4, 20: PRINT "-----"
LOCATE 4, 31: PRINT "-----"
LOCATE 4, 42: PRINT "-----"
LOCATE 4, 49: PRINT "-----"
LOCATE 4, 56: PRINT "-----"
RETURN

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Çözüm-5

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-----
'   Bu program rasgele OGRENCI kütüğünü listeler
-----
      TYPE OGRTUTANAK
          OGNO AS STRING * 13
          ADI AS STRING * 10
          SOYAD AS STRING * 10
          VIZE1 AS INTEGER
          VIZE2 AS INTEGER
          FIN AS INTEGER
          SIL AS INTEGER
      END TYPE
      DIM PRGOGNO AS STRING * 13
      DIM PRGADI AS STRING * 10
      DIM PRGSOYAD AS STRING * 10
      DIM PRGVIZE1 AS INTEGER
      DIM PRGVIZE2 AS INTEGER
      DIM PRGFIN AS INTEGER
      DIM PRGSIL AS INTEGER
      DIM OGRENCI AS OGRTUTANAK
      OPEN "OGRENCI" FOR RANDOM AS #1 LEN = LEN(OGRENCI)
      OPEN "R", #2, "TUTSAY"
      FIELD #2, 6 AS TUTŞ
      GET #2, 1
      TSAY% = CVI(TUTŞ)
      GOSUB BASLIK.YAZ
      SATIR = 4
      FOR I% = 1 TO TSAY%
      GET #1, I%, OGRENCI
      GOSUB SATIR.YAZ
      GOSUB BILGI.YAZ2
      NEXT I%
      GOSUB DEVAM.SOR
      GOSUB KUTUK.KAPAT
      END
      DEVAM.SOR:
          LOCATE 22, 10
          INPUT "Devam etmek için <ENTER> giriniz ....>", C$
          LOCATE 22, 1: PRINT SPACE$(80)
      RETURN
      KUTUK.KAPAT:
          CLOSE #1, #2, #3
      RETURN
      BASLIK.YAZ:
          CLS
          LOCATE 1, 20: PRINT "ÖGRENCİ LİSTESİ"
          LOCATE 3, 6: PRINT " ÖGRENCİ NO "
          LOCATE 3, 20: PRINT "     ADI     "

```



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LOCATE 3, 31: PRINT " SOY ADI "
LOCATE 3, 42: PRINT "1.VİZE"
LOCATE 3, 49: PRINT "2.VİZE"
LOCATE 3, 56: PRINT "FINAL"
LOCATE 4, 6: PRINT "-----"
LOCATE 4, 20: PRINT "-----"
LOCATE 4, 31: PRINT "-----"
LOCATE 4, 42: PRINT "-----"
LOCATE 4, 49: PRINT "-----"
LOCATE 4, 56: PRINT "-----"
RETURN
BILGI.YAZ2:
LOCATE SATIR, 6: PRINT OGRENCI.OGNOŞ
LOCATE SATIR, 20: PRINT OGRENCI.ADIŞ
LOCATE SATIR, 31: PRINT OGRENCI.SOYADŞ
LOCATE SATIR, 44: PRINT OGRENCI.VIZE1
LOCATE SATIR, 51: PRINT OGRENCI.VIZE2
LOCATE SATIR, 57: PRINT OGRENCI.FIN
LOCATE SATIR, 65: PRINT I%
RETURN
SATIR.YAZ:
SATIR = SATIR + 1
IF SATIR = 22 THEN
SATIR = 4
LOCATE 22, 10
INPUT "Devam için herhangi bir tuşa basınız....", BEKŞ
LOCATE 22, 1: PRINT SPACE$(80)
ELSE
END IF
RETURN

```