PROGRAMACIÓN ESTRUCTURADA

PROF. PEDRO NÚÑEZ YEPIZ

PRACTICA 14
ARCHIVOS INDEXADOS

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372354 – GPO 932

REPOSITORIO

https://github.com/keevin-21/KAGT_Programacion_Estructurada_932

PROCEDIMIENTO

1.- AÑADIR REGISTROS

```
Number of records: 3360
Number of indices: 4200
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 1
```

```
Record added successfully.
Press any key to continue . . .
```

2.- ELIMINAR REGISTRO

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 2
Enter the enrollment to delete: 311976
Record found:
Enrollment: 311976
Name: SUSANA CAMACHO ROJAS
Sex: MUJER
Job Position: PsOrg
State: SR
Age: 25
Cellphone: 1010268

Do you want to delete this record? (Y/N): Y
Record deleted successfully.
Press any key to continue . . .
```

3.- BUSCAR REGISTRO

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 3
Enter the enrollment to search: 311976
No record found with the specified enrollment.
Press any key to continue . . .
```

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 3
Enter the enrollment to search: 311976
Record found:
Enrollment: 311976
Name: SUSANA CAMACHO ROJAS
Sex: MUJER
Job Position: PsOrg
State: SR
Age: 25
Cellphone: 1010268
Press any key to continue . . .
```

4.- ORDENAR REGISTRO

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 4
Select the sorting method:
1. Selection Sort
2. Quick Sort
2
The array has been sorted successfully using Quick Sort.
Press any key to continue . . .
```
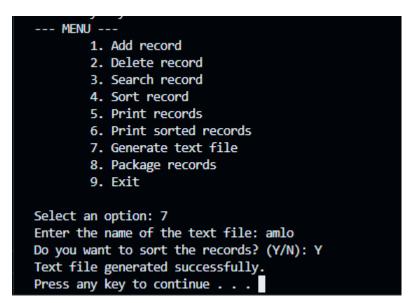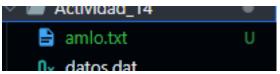
5.- IMPRIMIR REGISTROS

```
3333 || 332457 ||     EMILIO ||      LOPEZ ||     MENDEZ ||   HOMBRE ||     MedGen || 46 || CH || 1015493
3334 || 332474 ||      MARiA ||       RIOS ||     OSORIO ||    MUJER ||    TrabSoc || 33 || MS || 1031163
3335 || 332477 ||     MIGUEL ||      NUNEZ ||       PENA ||   HOMBRE ||      PsOrg || 50 || GR || 1020609
3336 || 332482 ||      CLARA ||   GUERRERO ||  CERVANTES ||    MUJER ||   Arquitect || 42 || CL || 1000528
3337 || 332487 ||    ANTONIA || VALENZUELA ||   ALVARADO ||    MUJER ||    IngElec || 32 || MC || 1020299
3338 || 332506 ||  ALEJANDRA ||       PENA ||       SOTO ||    MUJER ||    AnlSist || 29 || NL || 1004869
3339 || 332514 ||    ENRIQUE ||    CAMACHO ||    RAMIREZ ||   HOMBRE ||     IngRed || 47 || GR || 1031960
3340 || 332530 ||      MARTA ||      NUNEZ ||    CORDERO ||    MUJER ||    InvCien || 38 || DG || 1005691
3341 || 332543 ||   SALVADOR ||     MOLINA ||     VARGAS ||   HOMBRE ||    ChefEje || 48 || CM || 1025107
3342 || 332561 ||       JUAN ||     CHACON ||       RIOS ||   HOMBRE ||    EspRRHH || 38 || TS || 1013784
3343 || 332572 ||   CONSUELO ||    ESCOBAR ||    CABRERA ||    MUJER ||      DisUX || 32 || ZS || 1018491
3344 || 332574 ||     GLORIA ||    VASQUEZ ||    MUNGUIA ||    MUJER ||    DevSoft || 48 || OC || 1000328
3345 || 332592 ||    ROBERTO ||      TOVAR ||      REYES ||   HOMBRE ||      PsOrg || 26 || BS || 1001674
3346 || 332617 ||      MARIO ||      ORTIZ ||     MEDINA ||   HOMBRE ||    ChefEje || 21 || AG || 1011038
3347 || 332620 ||     MIGUEL ||    ALVAREZ ||      URIBE ||   HOMBRE ||    DisGraf || 30 || CC || 1024358
3348 || 332626 ||   SALVADOR ||       LARA ||      SOLIS ||   HOMBRE ||    EspSeg || 23 || CS || 1002437
3349 || 332679 ||   MERCEDES ||    PAREDES ||    BELTRAN ||    MUJER ||    GteProj || 46 || JC || 1011613
3350 || 332686 ||   MERCEDES ||     SUAREZ ||    CAMACHO ||    MUJER ||     TecSup || 22 || TL || 1010523
3351 || 332687 ||       JOSE ||  CASTANEDA ||    VASQUEZ ||   HOMBRE ||    InvCien || 22 || ZS || 1008462
3352 || 332692 ||     ARTURO ||   GONZALES ||     TORRES ||   HOMBRE ||    Traduct || 31 || OC || 1007788
3353 || 332698 ||      PAULA ||   ESPINOSA ||     ZAMORA ||    MUJER ||     TecSup || 30 || NT || 1016786
3354 || 332706 ||      PILAR ||      ROJAS ||      ARIAS ||    MUJER ||    Contado || 38 || MN || 1025346
3355 || 332720 ||     CARMEN ||   ALVARADO ||    HIDALGO ||    MUJER ||     AsServ || 44 || GT || 1014616
3356 || 332723 ||      PILAR ||       LEON ||    VASQUEZ ||    MUJER ||    Abogado || 35 || CC || 1006386
3357 || 332727 ||      PEDRO ||      TOVAR ||     TORRES ||   HOMBRE ||    ChefEje || 48 || HG || 1000943
3358 || 332732 ||     SILVIA ||   CASILLAS ||     TORRES ||    MUJER ||    IngElec || 31 || SP || 1032505
3359 || 332757 ||      PEDRO ||   QUINTERO ||     VALDES ||   HOMBRE ||    EspLog || 44 || JC || 1023786
3360 || 332761 ||   MERCEDES ||     TORRES ||     FLORES ||    MUJER ||    EspSeg || 49 || SP || 1004974

Press any key to continue . . .
```

6.- IMPRIMIR REGISTROS ORDENADOS

```
3333 || 332457 ||    EMILIO ||      LOPEZ ||       MENDEZ || HOMBRE ||     MedGen || 46 || CH || 1015493
3334 || 332474 ||     MARiA ||       RIOS ||       OSORIO || MUJER  ||    TrabSoc || 33 || MS || 1031163
3335 || 332477 ||    MIGUEL ||      NUNEZ ||         PENA || HOMBRE ||      PsOrg || 50 || GR || 1020609
3336 || 332482 ||     CLARA ||   GUERRERO ||    CERVANTES || MUJER  ||   Arquitect|| 42 || CL || 1000528
3337 || 332487 ||   ANTONIA || VALENZUELA ||     ALVARADO || MUJER  ||    IngElec || 32 || MC || 1020299
3338 || 332506 || ALEJANDRA ||       PENA ||         SOTO || MUJER  ||    AnlSist || 29 || NL || 1004869
3339 || 332514 ||   ENRIQUE ||    CAMACHO ||      RAMIREZ || HOMBRE ||     IngRed || 47 || GR || 1031960
3340 || 332530 ||     MARTA ||      NUNEZ ||      CORDERO || MUJER  ||    InvCien || 38 || DG || 1005691
3341 || 332543 ||  SALVADOR ||     MOLINA ||       VARGAS || HOMBRE ||    ChefEje || 48 || CM || 1025107
3342 || 332561 ||      JUAN ||     CHACON ||         RIOS || HOMBRE ||    EspRRHH || 38 || TS || 1013784
3343 || 332572 ||  CONSUELO ||    ESCOBAR ||      CABRERA || MUJER  ||      DisUX || 32 || ZS || 1018491
3344 || 332574 ||    GLORIA ||    VASQUEZ ||      MUNGUIA || MUJER  ||    DevSoft || 48 || OC || 1000328
3345 || 332592 ||   ROBERTO ||      TOVAR ||        REYES || HOMBRE ||      PsOrg || 26 || BS || 1001674
3346 || 332617 ||     MARIO ||      ORTIZ ||       MEDINA || HOMBRE ||    ChefEje || 21 || AG || 1011038
3347 || 332620 ||    MIGUEL ||    ALVAREZ ||        URIBE || HOMBRE ||    DisGraf || 30 || CC || 1024358
3348 || 332626 ||  SALVADOR ||       LARA ||        SOLIS || HOMBRE ||     EspSeg || 23 || CS || 1002437
3349 || 332679 ||  MERCEDES ||    PAREDES ||      BELTRAN || MUJER  ||    GteProj || 46 || JC || 1011613
3350 || 332686 ||  MERCEDES ||     SUAREZ ||      CAMACHO || MUJER  ||     TecSup || 22 || TL || 1010523
3351 || 332687 ||      JOSE ||  CASTANEDA ||      VASQUEZ || HOMBRE ||    InvCien || 22 || ZS || 1008462
3352 || 332692 ||    ARTURO ||   GONZALES ||       TORRES || HOMBRE ||    Traduct || 31 || OC || 1007788
3353 || 332698 ||     PAULA ||   ESPINOSA ||       ZAMORA || MUJER  ||     TecSup || 30 || NT || 1016786
3354 || 332706 ||     PILAR ||      ROJAS ||        ARIAS || MUJER  ||    Contado || 38 || MN || 1025346
3355 || 332720 ||    CARMEN ||   ALVARADO ||      HIDALGO || MUJER  ||     AsServ || 44 || GT || 1014616
3356 || 332723 ||     PILAR ||       LEON ||      VASQUEZ || MUJER  ||     Abogado|| 35 || CC || 1006386
3357 || 332727 ||     PEDRO ||      TOVAR ||       TORRES || HOMBRE ||    ChefEje || 48 || HG || 1000943
3358 || 332732 ||    SILVIA ||   CASILLAS ||       TORRES || MUJER  ||    IngElec || 31 || SP || 1032505
3359 || 332757 ||     PEDRO ||   QUINTERO ||       VALDES || HOMBRE ||     EspLog || 44 || JC || 1023786
3360 || 332761 ||  MERCEDES ||     TORRES ||       FLORES || MUJER  ||     EspSeg || 49 || SP || 1004974

Press any key to continue . . .
```

7.- CREAR .TXT

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 7
Enter the name of the text file: amlo
Do you want to sort the records? (Y/N): Y
Text file generated successfully.
Press any key to continue . . .
```

Actividad_14

amlo.txt   U

datos.dat

8.- EMPAQUETAR

```
--- MENU ---
        1. Add record
        2. Delete record
        3. Search record
        4. Sort record
        5. Print records
        6. Print sorted records
        7. Generate text file
        8. Package records
        9. Exit

Select an option: 8
Press any key to continue . . .
```

data.bak

0x datos.dat