

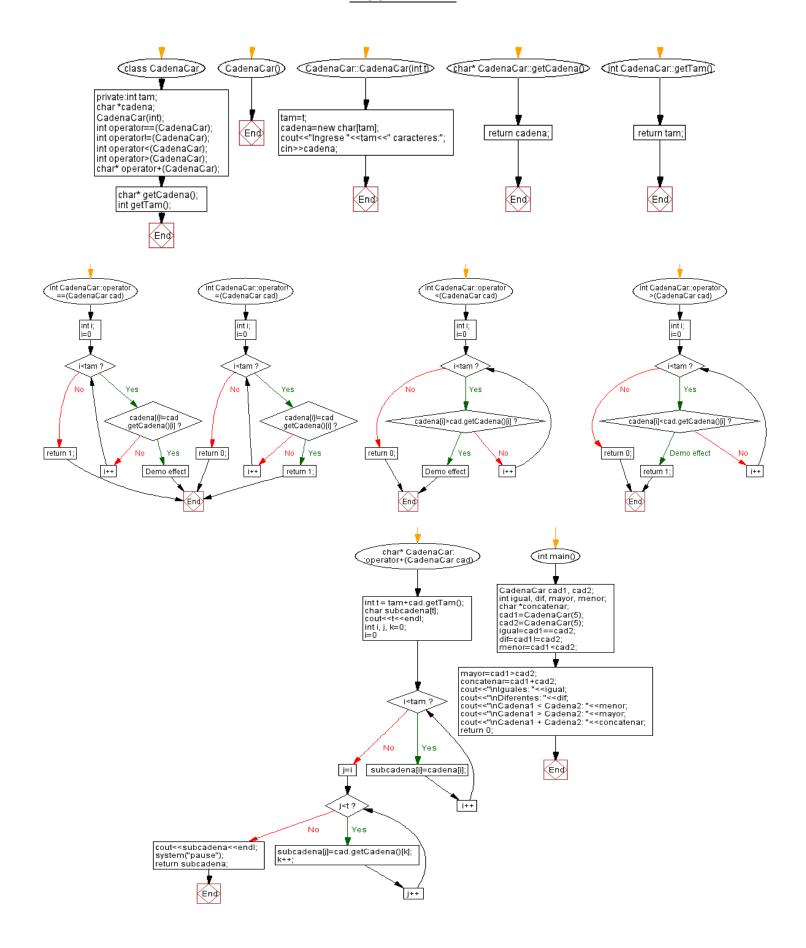
# **ESTRUCTURA DE DATOS**

Dr. Said Polanco

# UNIDAD 2 PROGAMARIO 1

Armando Isaac Hernandez Muñiz

#### PROGRAMA 1 Y 2

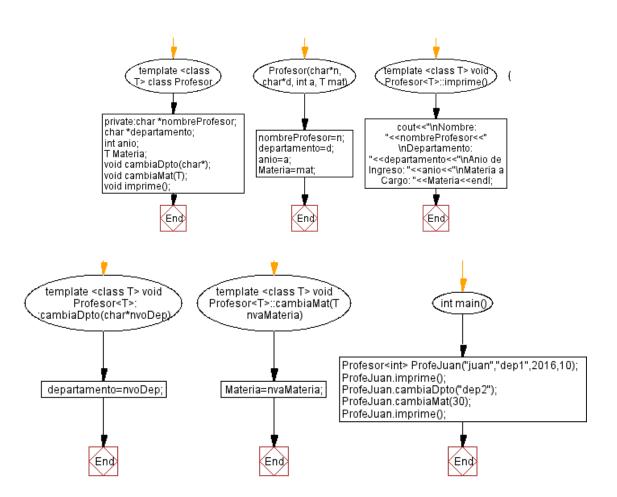


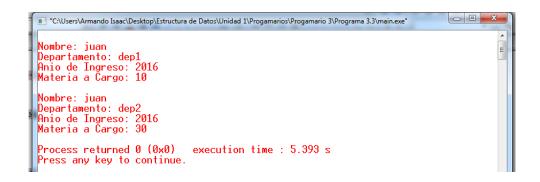
```
Ingrese 5 caracteres:hfted
Ingrese 5 caracteres:kjfnr
10
hftedkjfnrH
Presione una tecla para continuar . . .

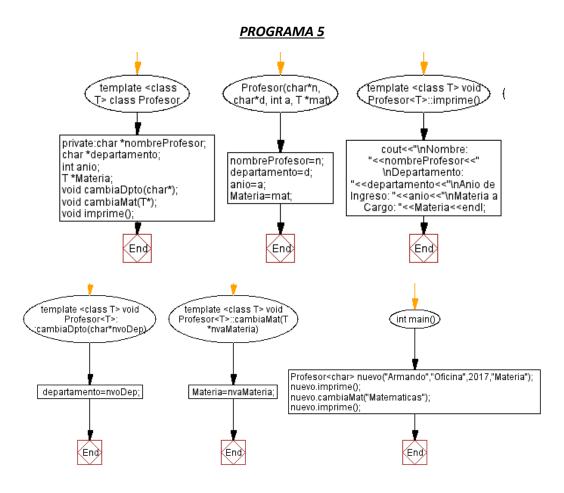
Iguales: 0
Diferentes: 1
Cadenal > Cadena2: 1
Cadenal > Cadena2: hftedkjfnrH
Process returned 0 (0x0) execution time : 52.642 s
Press any key to continue.

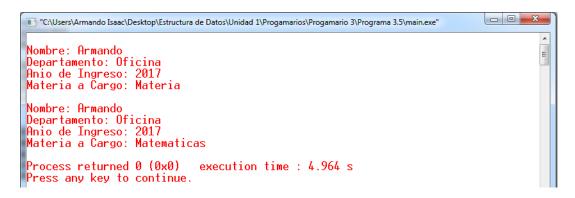
Ingrese 5 caracteres:asdfg
Ingrese 5 caracteres:asdf
```

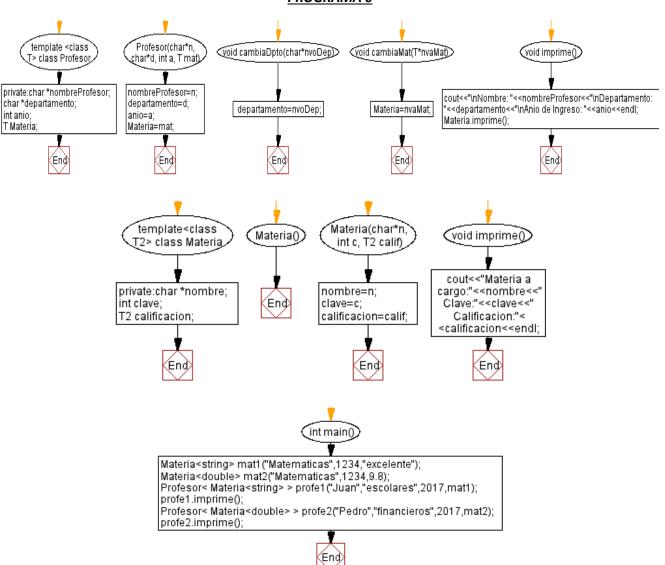
#### PROGRAMA 3 Y 4

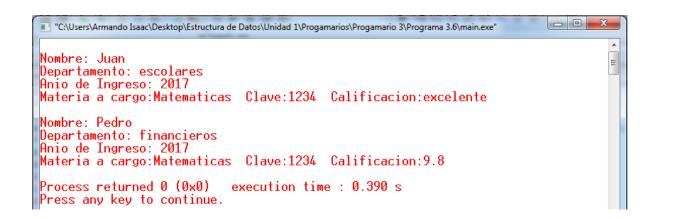


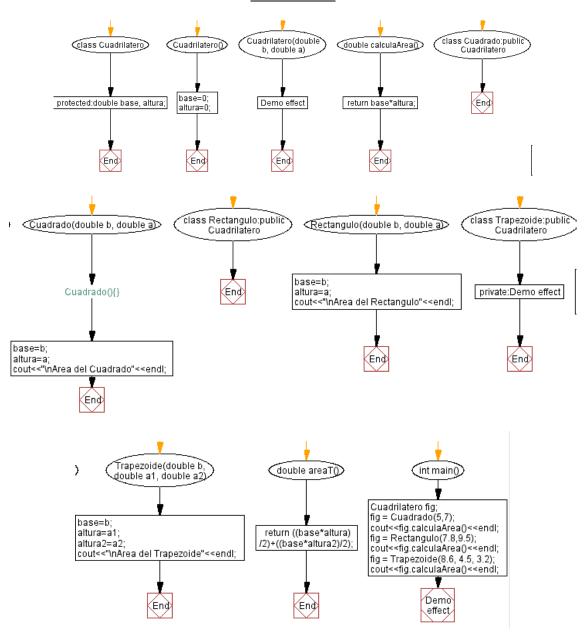


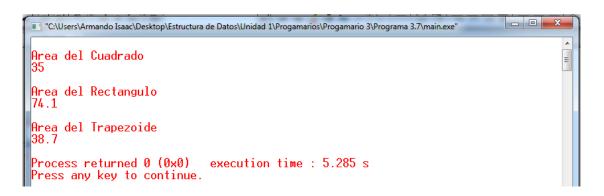


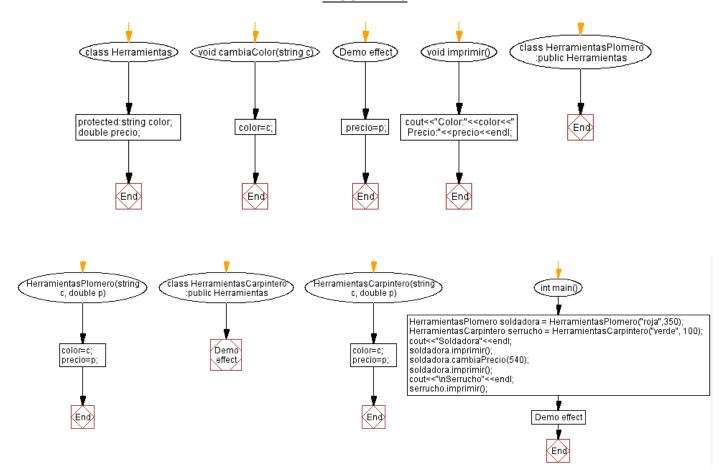


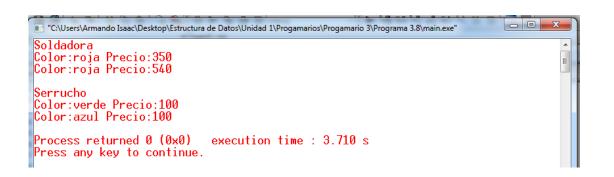


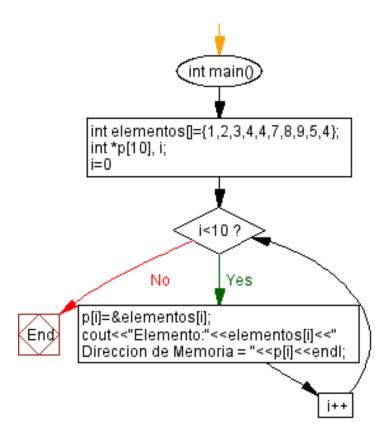




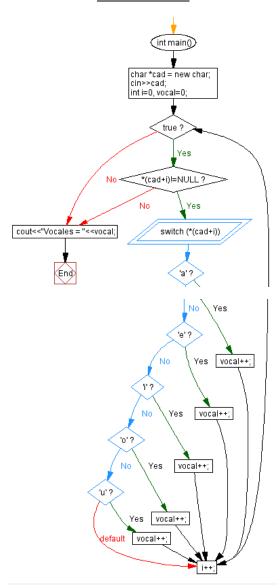


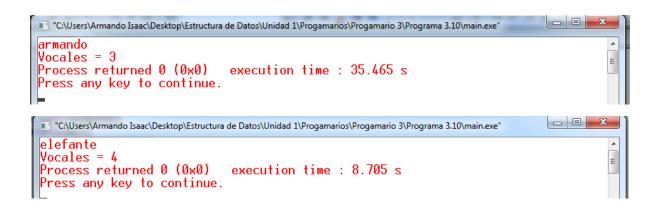


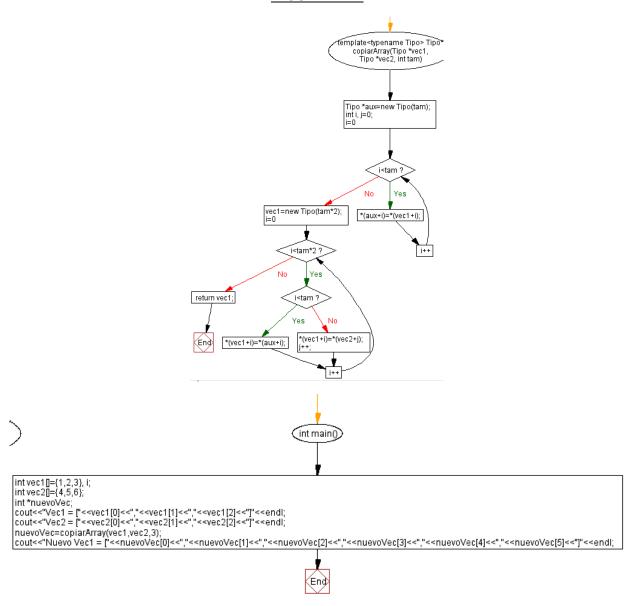




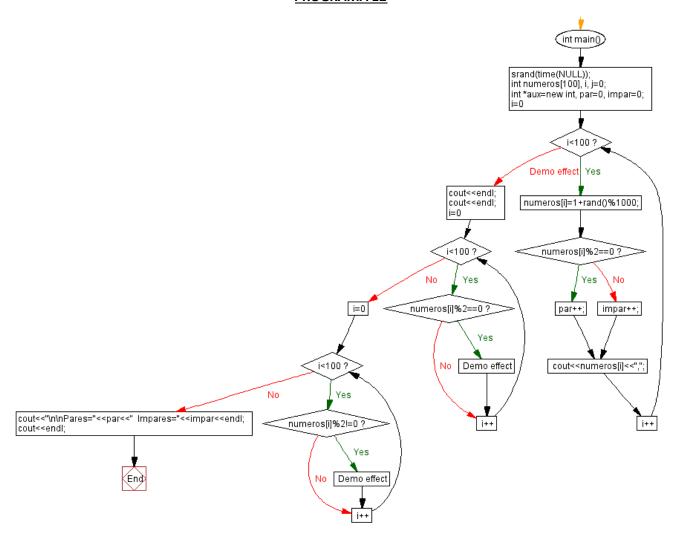
```
"C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Proqamarios\Proqamario 3\Programa 3.9\main.exe
             Direccion de Memoria = 0x28feac
Elemento:1
Elemento:2
             Direccion de Memoria = 0x28feb0
                                                                                      Ξ
Elemento:3
             Direccion de Memoria = 0x28feb4
             Direccion de Memoria = 0x28feb8
Elemento:4
             Direccion de Memoria = 0x28febc
Elemento:4
Elemento:7
             Direccion de Memoria = 0x28fec0
             Direccion de Memoria = 0x28fec4
Elemento:8
Elemento:9
             Direccion de Memoria = 0x28fec8
Elemento:5
             Direccion de Memoria = 0x28fecc
Elemento:4
            Direccion de Memoria = 0x28fed0
                           execution time: 4.772 s
Process returned 0 (0x0)
Press any key to continue.
```

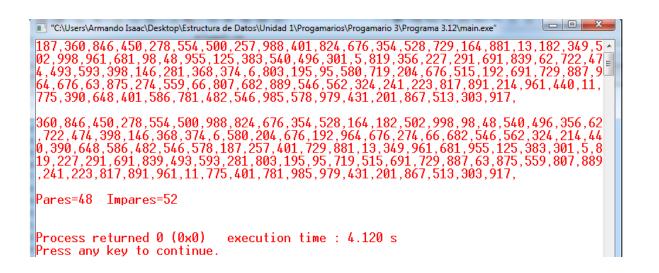


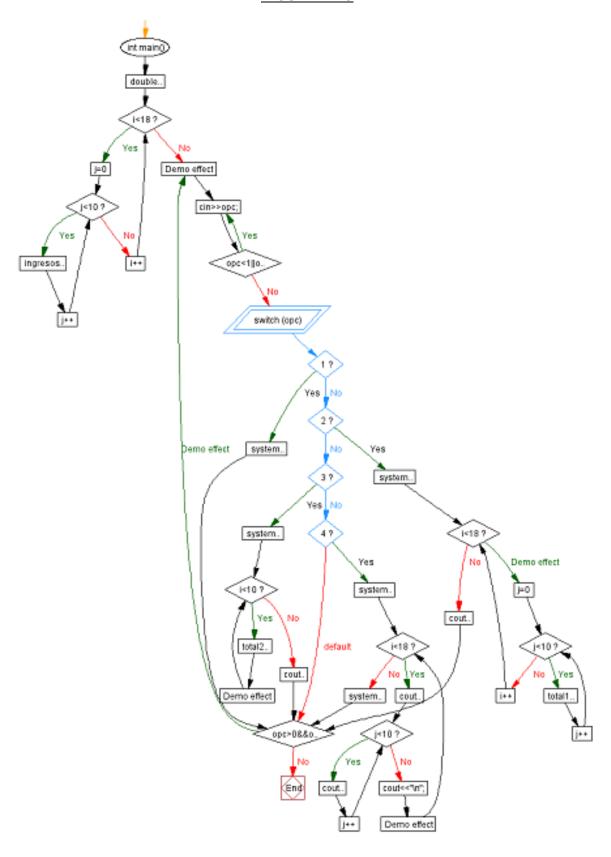


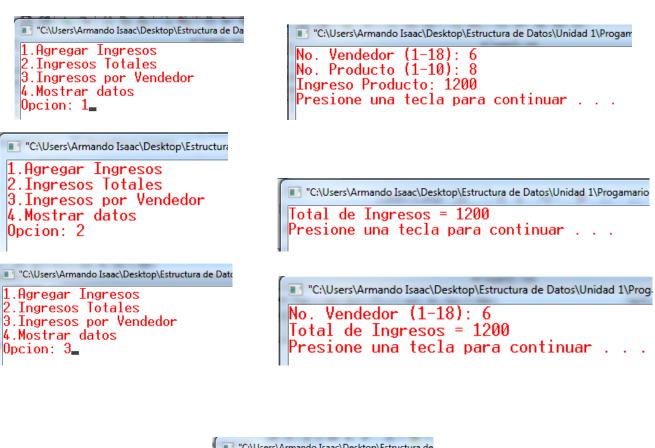


```
"C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\Progamario 3\Programa Vec1 = [1,2,3] Vec2 = [4,5,6] Vec2 = [1,2,3,4,5,6] Vec3 = [1,2,3,4,5,6] Vec4 = [1,2,3,4,5,6] Vec5 = [1,2,3,4,5,6] Vec6 = [1,2,2,3,4,5,6] Vec6 = [1,2,2,3,4,5,5] Vec6 = [1,2,2,3,4,5,5] Vec6 = [1,2,2,3,4,5,5] Vec6 = [1,2,2,3,4,5] Vec6 = [1,2,2,2,4] Vec6 = [1,2,2,2,4]
```



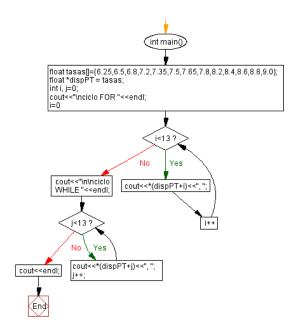


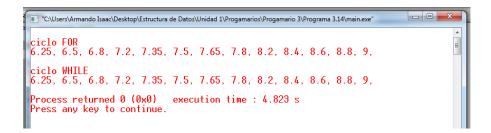


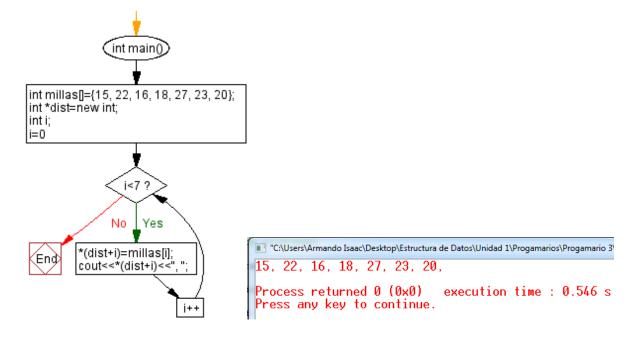


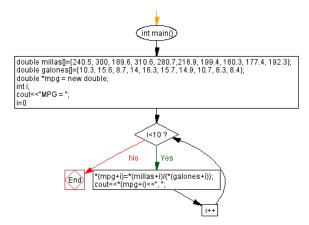
```
"C:\Users\Armando Isaac\Desktop\Estructura de
1.Agregar Ingresos
2.Ingresos Totales
3.Ingresos por Vendedor
4.Mostrar datos
0pcion: 4
```

```
"C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\Progamario 3\Progra
          [0] [0] [0] [0]
                        [0] [0] [0] [0] [0]
Vendedor 3: [0] [0] [0] [0]
                        [0] [0] [0] [0] [0] [0]
                        [0] [0] [0] [0] [0]
Vendedor 4: [0]
             [0] [0] [0]
Vendedor 5:
          [0]
             [0]
                 [0]
                    [0]
                        [0]
                           [0] [0] [0]
                                     [0] [0]
Vendedor 6:
          [0]
             [0]
                 [0]
                    [0]
                        [0]
                           [0]
                               [0]
                                  [1200] [0] [0]
          [0]
             [0]
                 [0]
                    [0]
                        [0]
                           [0] [0] [0] [0] [0]
Vendedor
Vendedor 8:
          [0]
             [0] [0]
                    [0]
                        [0]
                           [0] [0] [0]
                                     [0] [0]
Vendedor 9: [0] [0] [0] [0]
                       - [0] [0] [0] [0] [0] [0]
Vendedor 12: [0] [0] [0]
                     [0] [0] [0] [0] [0] [0]
                                          [0]
Vendedor 13: [0] [0] [0]
                               [0] [0] [0]
                                          [0]
                     [0] [0]
                           [0]
           [0]
Vendedor 14:
              [0]
                  [0]
                     [0]
                         [0]
                            [0]
                               [0]
                                   [0] [0]
                                          [0]
                     [0]
Vendedor 15:
           [0] [0]
                  [0]
                         [0]
                           [0]
                               [0] [0] [0]
                                          101
           [0] [0] [0] [0] [0] [0] [0] [0] [0] [0]
Vendedor 16:
Vendedor 17:
           [0] [0] [0] [0] [0] [0] [0] [0] [0]
Presione una tecla para continuar . .
```







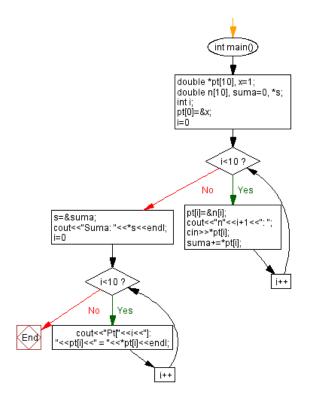


```
■ "C\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\Progamario 3\Programa 3.16\main.exe"

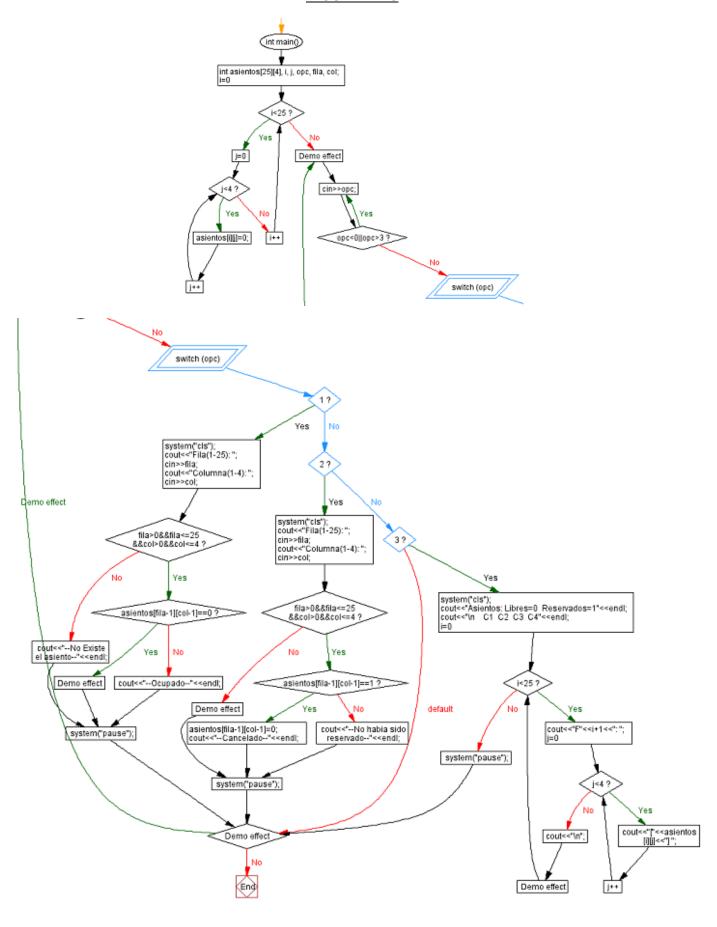
MP6 = 23.3495, 19.2308, 21.7931, 22.1857, 17.2209, 13.8153, 13.3826, 14.9813, 21.3735, 22.8929,

Process returned 0 (0x0) execution time : 0.733 s

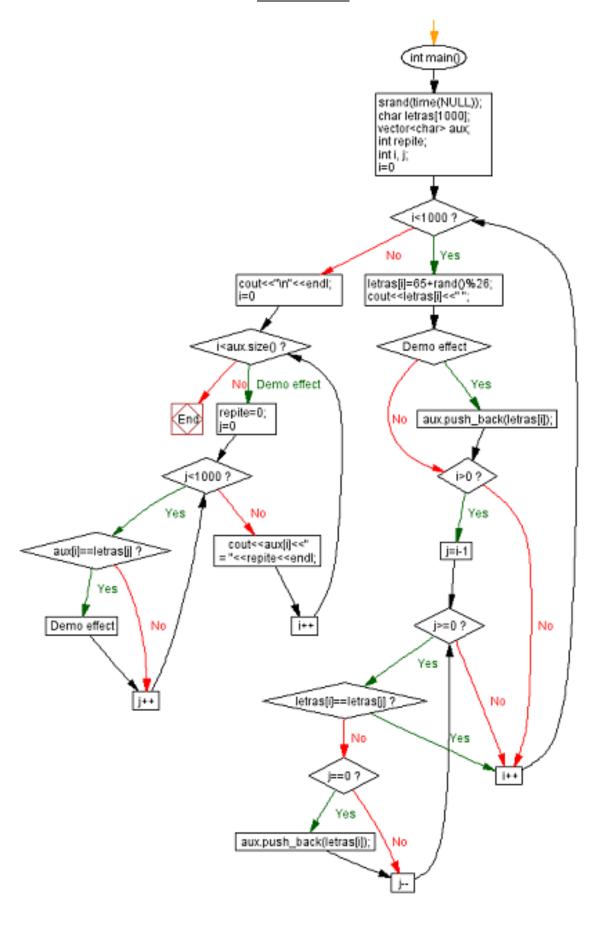
Press any key to continue.
```



```
n1: 8
n2: 5
n3: 9
n4: 6
n5: 8
n6: 6
n7: 4
n8: 1
n9: 2
n10: 9
Suma: 58
Pt[0]: 0x28fea8 = 8
Pt[1]: 0x28feb0 = 5
Pt[2]: 0x28feb0 = 6
Pt[4]: 0x28feb0 = 6
Pt[4]: 0x28feb0 = 6
Pt[6]: 0x28feb0 = 6
Pt[7]: 0x28feb0 = 6
Pt[8]: 0x28feb0 = 6
Pt[8]: 0x28feb0 = 6
Pt[8]: 0x28feb0 = 6
Pt[9]: 0x28feb0 = 9
Process returned 0 (0x0)
Press any key to continue.
```



```
"C:\Users\Armando Isaac\Desktop\Estru
                                         "C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Prog
 1.Reservar
 2.Cancelar
3.Mostrar Asientos
                                         Fila(1-25): 15
                                         Columna(1-4): 3
                                          --Reservado--
                                         Presione una tecla para continuar . . .
"C:\Users\Armando Isaac\Desktop\Estruct
                                     ■ "C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progan
1.Reservar
                                     Fila(1-25): 4
2.Cancelar
                                     Columna(1-4): 6
3.Mostrar Asientos
                                     --No Existe el asiento--
                                     Presione una tecla para continuar . . .
                              "C:\Users\Armando Isaac\Desktop\Estructu
                              1.Reservar
                              2.Cancelar
                              3.Mostrar Asientos
                   "C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\
                  Asientos: Libres=0 Reservados=1
                       C1 C2 C3 C4
                   F1: [0] [0] [0] [0]
                  F2: [0] [0] [0] [0]
                  F3: [0] [0] [0] [0]
                  F4: [0] [0] [0] [0]
F5: [0] [0] [0] [0]
                  F6: [0] [0] [0] [0]
                  F7: [0] [0] [0] [0]
                  F8: [0] [0] [0] [0]
                  F9: [0] [0] [0] [0]
                  F10: [0] [0] [0] [0]
F11: [0] [0] [0] [0]
                  F12: [0] [0] [0] [0]
                  F13: [0] [0] [0] [0]
                  F14: [0] [0] [0] [0]
                  F15: [0]
                             [0] [1] [0]
                  F16: [0]
F17: [0]
                             [0] [0] [0]
                             [0]
                                  [0]
                                       [0]
                  F18:
                                  [0]
                         [0]
                             [0]
                                       [0]
                  F19:
                         101
                             [0] [0] [0]
                  F20: [0] [0] [0] [0]
                  F21: [0] [0] [0] [0]
                  F22: [0] [0] [0] [0]
                  F23: [0] [0] [0] [0]
                  F24: [0] [0] [0] [0]
                  F25: [0] [0] [0] [0]
                  Presione una tecla para continuar . . . .
```



```
"C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\Progamario 3\Programa 3.19\main.exe
                                                                                                                                                                         D
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D
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NBIVSKZXBHGBYYHAPKCOTIULK
                                                                                                                                                                                                                                                                      UNULOVIDROXTXEEKPKGYPLWDP
                                                                                                                                                                                                                                                                                   XHVVRXWDZX
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                                                                                                                                ANEZR
                                                                                                                                                 GDZYXQKEYMEDSKCNVQEGDKCKI
                                                                                                                                                            BIXXKAQGEABUXCLEENCOZVOGE
                                                                                                                                                                                      EZLIRCTTBOHRXKKITBQTCR00G
                                                                                                                                                                                                                                           EGZFHBYQOLIRUSTOGKQTWFRJF
                                                                                                                                                                                                                                                                                                GMWYWFBWHQMERWUSXNKEGSMIV
                                                                                                                                                                                                                                                                                                                             SJQQZTGMDYZFKEXEXTCDXOUSY
                                                                                                                                                                                                                                                                                                                                                                                 KKGNUWFFSJVSVYBIDUZRYANBP
                                                                                                                                                                                                                                                                                                                                                                                             XGYZNUKZJXDCYGQZJQRLBTPSB
                                                                                                                                                                                                                                                                                                                                                                                                                        CDETEGUTRIPNFBJWYH
                                                                                                                                                                                                                                                                                                                                                                                                                                      IVJZXOLSLRLGUHIRCNQYVHPHU
                                                                                                                                                                                                                             LZGIPGYRGEMMYDCUSIWGTCTNY
                                                                                                                                                                                                                                                        TYUTIKIEBWNAVKNZBUSLDGKGO
                                                                                                                                                                                                                                                                                                                                                                                                           DTDNJPIOFNWXQQEQANHMOSTHD
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                                                                                                                                                                                                                                                                                                                                                      EWVNAYVMBZUMKBFTFIMGXCAQK
                                                                                                                                                                                                                                                                                                                                                                    RJQZG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EAMFU
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                                                                                         ZMYLJZIKLXECXCIYDPKKPQSS
                                                                                                                                                                                                                                                                                                              AFYCMHDJTRRCHTQKCACJIGXG
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                                       SQJEMHQGABUDIWEQVWIPUCRP
                                                                                                        BNDESTQSTMLVDWZADGPXEYTA
                                                                                                                      MRRMYBDIYVZJNYIQLNIIPORK
            XOWKOFOIHTSMDFH
                                                   RJRIWMISIKFORVGOZUKLNLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                   LVBSCLVP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HJPNTVNAOGMELLEFPZEGOAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        UNLBXGLCQTECGMDOKQMQKHW
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                                                                Ř
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T
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                        D
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                         B
D
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                        BWTIMHPDRHZLV
            A O M Z X C P P P
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                                                                                                                                                                                                                                                                                                                                                                                                                         UMWUKRQ
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```

```
Q = 46

U = 37

G = 48

D = 34

B = 39

P = 38

A = 39

T = 42

X = 37

F = 31

S = 39

W = 31

R = 33

K = 45

C = 45

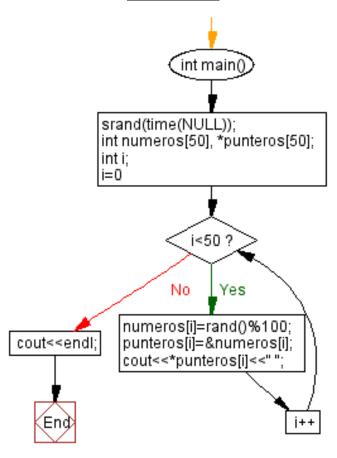
Y = 35

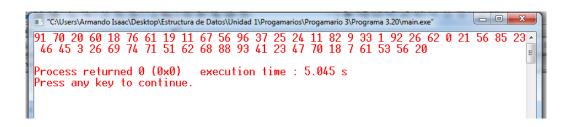
M = 40

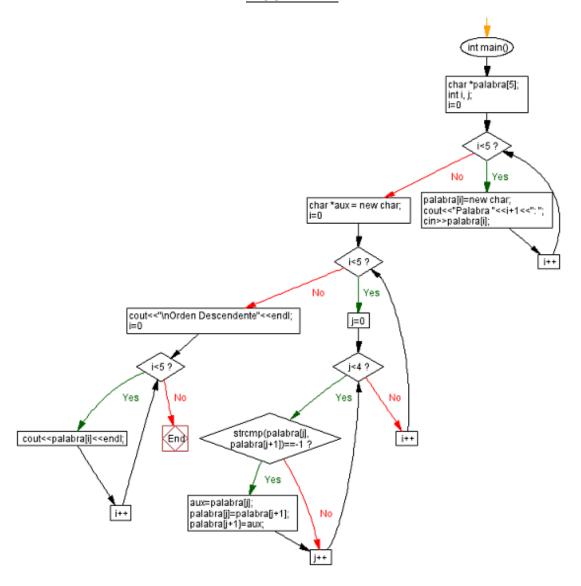
J = 28

O = 38
```

Process returned 0 (0x0) execution time : 2.046 s Press any key to continue.





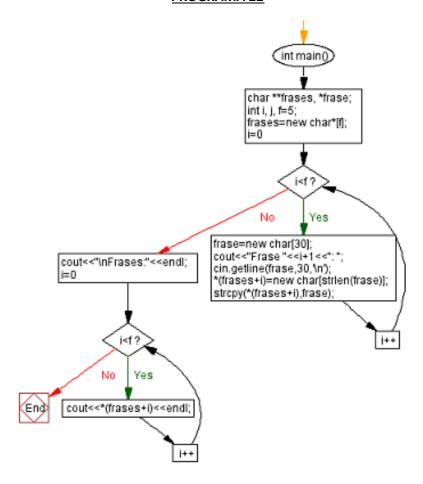


```
"C:\Users\Armando Isaac\Desktop\Estructura de Datos\Unidad 1\Progamarios\Progamario 3\Programa 3.21\main.exe"

Palabra 1: computadora
Palabra 2: libro
Palabra 3: mesa
Palabra 4: television
Palabra 5: lapiz

Orden Descendente
television
mesa
libro
lapiz
computadora

Process returned 0 (0x0) execution time: 23.563 s
Press any key to continue.
```



```
Frase 1: leer un libro
Frase 2: aprender ingles
Frase 3: ir a la escuela
Frase 5: ver la tele

Frases:
leer un libro
aprender ingles
ir a la escuela
estudiar para el examen
ver la tele

Process returned 0 (0x0) execution time : 75.936 s
Press any key to continue.
```

