

CASOS DE PRUEBA:

```
C:\Users\diego\OneDrive - In+ | v  
+=====+  
|          VENTAS TOTALES  
+=====+  
  
Total: $4094329.13  
  
Presiona ENTER para continuar...|
```

```
+=====+  
|          VENTA MAXIMA |  
+=====+  
  
ID:           435  
Fecha:        2025-07-31  
Categoria:    Servicios  
Pais:         Peru  
Total:        $30328.85  
  
Presiona ENTER para continuar...|
```

ID de venta: 1

DETALLE DE VENTA	
ID:	1
Fecha:	2025-02-12
Categoría:	Gaming
Método de pago:	Tarjeta
Cliente ID:	27
País:	Chile
<hr/>	
Monto unitario:	\$1457.11
Cantidad:	3
Subtotal:	\$4371.33
Costo envío:	\$128.74
Descuento:	\$0.18
Impuesto:	\$0.16
<hr/>	
TOTAL FINAL:	\$4286.75

Presiona ENTER para continuar...|

465	2025-12-12	Mascotas	Colombia	5	\$13739.61
466	2025-04-29	Jugueteria	RD	9	\$1577.24
467	2025-07-01	Automotriz	Chile	9	\$11760.62
468	2025-12-27	Hogar	Chile	7	\$6517.57
469	2025-06-06	Tecnologia	Argentina	5	\$9230.88
470	2025-10-28	Hogar	Peru	1	\$450.06
471	2025-09-17	Automotriz	Peru	10	\$872.25
472	2025-10-26	Bebidas	Chile	7	\$17732.23
473	2025-02-06	Jugueteria	Colombia	2	\$5460.64
474	2025-09-26	Salud	Mexico	1	\$1022.33
475	2025-08-11	Jugueteria	Peru	7	\$18567.91
476	2025-06-27	Salud	Peru	1	\$2894.78
477	2025-10-16	Jugueteria	RD	6	\$6052.28
478	2025-01-26	Jugueteria	Argentina	10	\$3370.40
479	2025-06-13	Tecnologia	Chile	10	\$28032.87
480	2025-03-20	Gaming	Colombia	9	\$2853.23
481	2025-11-03	Moda	Mexico	5	\$11047.40
482	2025-02-07	Jugueteria	Colombia	4	\$6041.87
483	2025-05-22	Tecnologia	RD	10	\$1036.76
484	2025-01-20	Moda	Argentina	3	\$2329.92
485	2025-06-12	Jugueteria	RD	8	\$11747.31
486	2025-03-03	Automotriz	Mexico	4	\$9269.62
487	2025-07-28	Gaming	Colombia	2	\$4304.25
488	2025-09-01	Oficina	Brasil	8	\$14430.02
489	2025-10-29	Jugueteria	RD	1	\$873.45
490	2025-07-18	Tecnologia	Chile	1	\$2209.13
491	2025-07-30	Jugueteria	Chile	7	\$10488.76
492	2025-10-12	Automotriz	Chile	7	\$503.09
493	2025-10-25	Tecnologia	Chile	8	\$23556.81
494	2025-11-26	Mascotas	RD	6	\$1899.11
495	2025-06-12	Oficina	Chile	10	\$24720.06
496	2025-12-09	Automotriz	Mexico	6	\$8550.09
497	2025-06-20	Salud	Mexico	3	\$8617.37
498	2025-12-10	Jugueteria	Colombia	1	\$182.51
499	2025-12-20	Moda	Mexico	2	\$5444.00
500	2025-10-04	Jugueteria	Colombia	4	\$610.42

Presiona ENTER para continuar...|

305	2025-09-10	Moda	Mexico	7	\$6290.00
307	2025-09-19	Automotriz	Mexico	9	\$21218.99
313	2025-08-11	Servicios	Mexico	2	\$473.22
314	2025-08-16	Tecnologia	Mexico	8	\$13942.84
316	2025-09-21	Tecnologia	Mexico	5	\$10991.42
318	2025-08-15	Tecnologia	Mexico	5	\$5341.65
322	2025-10-15	Salud	Mexico	3	\$1731.08
330	2025-01-24	Salud	Mexico	1	\$3133.38
345	2025-06-09	Tecnologia	Mexico	3	\$5704.06
357	2025-12-02	Oficina	Mexico	2	\$3683.57
360	2025-08-01	Gaming	Mexico	8	\$12624.40
368	2025-01-04	Supermercado	Mexico	5	\$12907.56
376	2025-09-11	Gaming	Mexico	10	\$11090.68
389	2025-07-01	Oficina	Mexico	10	\$557.95
395	2025-01-30	Moda	Mexico	5	\$17202.25
400	2025-05-05	Gaming	Mexico	7	\$6653.94
404	2025-05-23	Servicios	Mexico	4	\$5711.15
426	2025-09-15	Gaming	Mexico	5	\$3676.50
428	2025-06-12	Jugueteria	Mexico	8	\$16604.11
436	2025-06-27	Mascotas	Mexico	2	\$4071.67
438	2025-09-22	Mascotas	Mexico	4	\$5513.46
460	2025-11-21	Tecnologia	Mexico	4	\$8868.39
462	2025-01-15	Bebidas	Mexico	1	\$828.90
474	2025-09-26	Salud	Mexico	1	\$1022.33
481	2025-11-03	Moda	Mexico	5	\$11047.40
486	2025-03-03	Automotriz	Mexico	4	\$9269.62
496	2025-12-09	Automotriz	Mexico	6	\$8550.09
497	2025-06-20	Salud	Mexico	3	\$8617.37
499	2025-12-20	Moda	Mexico	2	\$5444.00

---

Total de ventas encontradas: 73

Presiona ENTER para continuar...|

96	2025-08-09	Gaming	RD	10	\$25828.04
134	2025-09-26	Gaming	Argentina	3	\$8271.76
140	2025-05-03	Gaming	RD	10	\$13045.46
157	2025-12-04	Gaming	Chile	6	\$9222.43
179	2025-09-08	Gaming	Peru	7	\$1810.46
193	2025-07-14	Gaming	Argentina	4	\$9411.47
198	2025-07-06	Gaming	Peru	8	\$4571.61
200	2025-06-26	Gaming	RD	5	\$12093.72
224	2025-10-18	Gaming	Chile	1	\$767.38
239	2025-04-20	Gaming	Chile	1	\$236.75
267	2025-01-26	Gaming	Peru	6	\$7437.80
312	2025-08-10	Gaming	RD	4	\$1081.95
325	2025-10-18	Gaming	Peru	7	\$11118.50
344	2025-08-29	Gaming	Chile	1	\$1848.72
360	2025-08-01	Gaming	Mexico	8	\$12624.40
376	2025-09-11	Gaming	Mexico	10	\$11090.68
387	2025-07-26	Gaming	Brasil	5	\$11452.26
391	2025-07-04	Gaming	Argentina	9	\$1031.02
400	2025-05-05	Gaming	Mexico	7	\$6653.94
410	2025-01-06	Gaming	Argentina	1	\$305.19
411	2025-05-21	Gaming	Colombia	2	\$2701.30
426	2025-09-15	Gaming	Mexico	5	\$3676.50
431	2025-03-03	Gaming	Chile	8	\$5262.42
448	2025-04-12	Gaming	Chile	3	\$4205.47
461	2025-11-10	Gaming	Chile	3	\$3358.95
480	2025-03-20	Gaming	Colombia	9	\$2853.23
487	2025-07-28	Gaming	Colombia	2	\$4304.25

Total de ventas encontradas: 31

Presiona ENTER para continuar...|

211	2025-04-04	Supermercado	Mexico	2	\$5081.08
213	2025-04-09	Bebidas	RD	4	\$8902.33
223	2025-04-18	Servicios	Mexico	7	\$2487.70
225	2025-03-26	Moda	RD	4	\$4702.41
239	2025-04-20	Gaming	Chile	1	\$236.75
251	2025-03-18	Mascotas	Colombia	2	\$3631.72
258	2025-04-23	Automotriz	Colombia	4	\$7318.32
268	2025-03-27	Moda	Brasil	10	\$2158.80
279	2025-03-19	Oficina	Mexico	3	\$1822.22
282	2025-03-30	Supermercado	Colombia	2	\$3613.44
292	2025-04-17	Tecnologia	Brasil	9	\$15324.91
299	2025-03-21	Hogar	Brasil	1	\$2325.90
320	2025-03-29	Supermercado	Argentina	6	\$11938.86
341	2025-04-23	Oficina	Chile	10	\$24196.07
346	2025-04-17	Supermercado	Chile	7	\$11524.94
348	2025-04-25	Mascotas	RD	6	\$9441.55
349	2025-03-31	Hogar	RD	6	\$8493.90
350	2025-04-18	Servicios	Brasil	8	\$17151.57
355	2025-04-13	Automotriz	Colombia	5	\$12229.66
361	2025-04-08	Salud	RD	6	\$16032.30
374	2025-03-29	Hogar	RD	7	\$10459.38
380	2025-03-22	Servicios	Colombia	8	\$11039.99
390	2025-04-10	Tecnologia	RD	8	\$630.06
393	2025-03-21	Supermercado	Brasil	3	\$8948.40
398	2025-03-17	Automotriz	Chile	7	\$7290.76
401	2025-04-14	Servicios	Argentina	7	\$7597.98
418	2025-04-18	Salud	Peru	2	\$3011.72
440	2025-04-09	Servicios	Brasil	5	\$6211.03
448	2025-04-12	Gaming	Chile	3	\$4205.47
463	2025-04-11	Oficina	Peru	10	\$848.60
480	2025-03-20	Gaming	Colombia	9	\$2853.23

---

Total de ventas encontradas: 52

Presiona ENTER para continuar...|

Paises disponibles:

- ```
[1] Argentina  
[2] Brasil  
[3] Chile  
[4] Colombia  
[5] Mexico  
[6] Peru  
[7] RD
```

Selecciona el numero del pais: 5

```
+=====+  
|           ESTADISTICAS POR PAIS: Mexico           |  
+=====+
```

Pais: Mexico  
Cantidad de ventas: 73  
Total vendido: \$559927.85  
Promedio por venta: \$7670.24  
Venta maxima: \$29165.62  
Venta minima: \$288.96

Presiona ENTER para continuar...|

```
+=====+  
|           ESTADISTICAS POR TODOS LOS PAISES           |  
+=====+
```

| Pais      | Ventas | Total       | Promedio   | Maximo     | Minimo   |
|-----------|--------|-------------|------------|------------|----------|
| Argentina | 68     | \$536551.38 | \$7890.46  | \$25879.77 | \$305.19 |
| Brasil    | 66     | \$508987.50 | \$7711.93  | \$24440.87 | \$151.08 |
| Chile     | 76     | \$636687.96 | \$8377.47  | \$28032.87 | \$236.75 |
| Colombia  | 74     | \$523917.45 | \$7079.97  | \$24736.02 | \$182.51 |
| Mexico    | 73     | \$559927.85 | \$7670.24  | \$29165.62 | \$288.96 |
| Peru      | 62     | \$632967.00 | \$10209.15 | \$30328.85 | \$450.06 |
| RD        | 81     | \$695290.00 | \$8583.83  | \$26724.95 | \$526.89 |

Presiona ENTER para continuar...|

|              |          |
|--------------|----------|
| Hogar        | ===== 40 |
| Jugueteria   | ===== 51 |
| Mascotas     | ===== 37 |
| Moda         | ===== 53 |
| Oficina      | ===== 44 |
| Salud        | ===== 36 |
| Servicios    | ===== 43 |
| Supermercado | ===== 38 |
| Tecnologia   | ===== 43 |

---

[DISTRIBUCION DE VENTAS POR MES]

---

|            |          |
|------------|----------|
| Abril      | ===== 37 |
| Agosto     | ===== 44 |
| Diciembre  | ===== 39 |
| Enero      | ===== 31 |
| Febrero    | ===== 33 |
| Julio      | ===== 50 |
| Junio      | ===== 52 |
| Marzo      | ===== 38 |
| Mayo       | ===== 42 |
| Noviembre  | ===== 46 |
| Octubre    | ===== 39 |
| Septiembre | ===== 49 |

---

[TOP 5 PAISES POR INGRESOS]

---

|              |             |
|--------------|-------------|
| 1. RD        | \$695290.00 |
| 2. Chile     | \$636687.96 |
| 3. Peru      | \$632967.00 |
| 4. Mexico    | \$559927.85 |
| 5. Argentina | \$536551.38 |

+=====+  
Presiona ENTER para continuar...|

```
+=====+  
|          SISTEMA DE ALERTAS INTELIGENTE          |  
+=====+
```

Se detectaron 3 alertas:

[ALERTA #1]

Tipo: VENTAS ATIPICAS

Nivel: [i] INFORMATIVO

Msg: Se detectaron 26 ventas con valores atipicos (muy altos o muy bajos)

[ALERTA #2]

Tipo: VOLUMEN ALTO

Nivel: [i] INFORMATIVO

Msg: Excelente volumen de ventas: 500 ventas registradas

[ALERTA #3]

Tipo: MEJOR MERCADO

Nivel: [i] INFORMATIVO

Msg: Mercado mas rentable: RD con \$695289

```
+=====+  
Presiona ENTER para continuar...|
```

```
+=====+  
|          VENTAS ATIPICAS DETECTADAS          |  
+=====+
```

Se detectaron 26 ventas con valores inusuales:

| ID  | Fecha      | Categoría    | País      | Cantidad | Total      |
|-----|------------|--------------|-----------|----------|------------|
| 2   | 2025-10-25 | Supermercado | Argentina | 10       | \$24452.66 |
| 3   | 2025-08-06 | Oficina      | Perú      | 8        | \$24424.12 |
| 5   | 2025-09-12 | Moda         | Perú      | 9        | \$27958.43 |
| 18  | 2025-12-06 | Hogar        | Argentina | 10       | \$21890.25 |
| 35  | 2025-06-02 | Supermercado | RD        | 9        | \$24926.14 |
| 46  | 2025-04-03 | Juguetería   | Méjico    | 10       | \$29165.62 |
| 60  | 2025-07-10 | Moda         | Chile     | 8        | \$23613.83 |
| 96  | 2025-08-09 | Gaming       | RD        | 10       | \$25828.04 |
| 121 | 2025-01-05 | Bebidas      | Perú      | 10       | \$23669.07 |
| 129 | 2025-08-17 | Automotriz   | Argentina | 10       | \$21959.74 |
| 131 | 2025-10-21 | Juguetería   | RD        | 10       | \$22712.55 |
| 203 | 2025-11-30 | Salud        | Brasil    | 9        | \$24440.87 |
| 218 | 2025-06-04 | Bebidas      | RD        | 10       | \$22636.72 |
| 245 | 2025-08-22 | Tecnología   | RD        | 8        | \$26724.95 |
| 293 | 2025-10-13 | Juguetería   | Chile     | 9        | \$25957.04 |
| 298 | 2025-01-04 | Supermercado | RD        | 10       | \$25649.55 |
| 300 | 2025-07-28 | Moda         | Colombia  | 10       | \$24736.02 |
| 331 | 2025-02-15 | Moda         | Perú      | 10       | \$28135.98 |
| 332 | 2025-10-04 | Salud        | Chile     | 9        | \$24866.94 |
| 341 | 2025-04-23 | Oficina      | Chile     | 10       | \$24196.07 |
| 392 | 2025-08-01 | Juguetería   | Argentina | 8        | \$25879.77 |
| 435 | 2025-07-31 | Servicios    | Perú      | 9        | \$30328.85 |
| 456 | 2025-07-15 | Hogar        | RD        | 9        | \$25524.32 |
| 479 | 2025-06-13 | Tecnología   | Chile     | 10       | \$28032.87 |
| 493 | 2025-10-25 | Tecnología   | Chile     | 8        | \$23556.81 |
| 495 | 2025-06-12 | Oficina      | Chile     | 10       | \$24720.06 |

Total de ventas encontradas: 26

Presiona ENTER para continuar...|