Universidad Don Bosco

Facultad de Ingeniería

Escuela de Electrónica
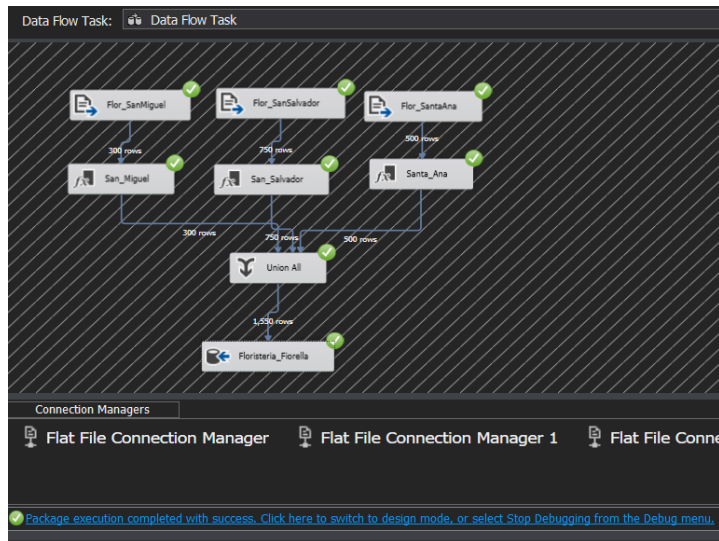
Datawarehouse y minería de datos

Desafío Practico 1 DMD

Grupo 01L

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B) Floristería Fiorella

Para el caso de la floristería se creo un campo adicional llamada "Departamento" para poder hacer el análisis de los clientes acorde al departamento, luego se unieron todos los datos en una sola tabla de clientes.

Para el analisis de la floristería, se tomo en cuenta la popularidad de cada producto comparado con los demas y con el total de compradores, tanto en el pais como por departamento. En base a lo anterior podemos sacar las siguientes conclusiones:

1. Popularidad en el país
   1.1. Listón – 975 compradores
   1.2. Rosas – 945 compradores
   1.3. Globos – 892 compradores
   1.4. Aurora – 804 compradores
   1.5. Orquideas – 797 compradores
   1.6. Lirios – 795 compradores
   1.7. Girasoles – 787 compradores
   1.8. Macetas – 778 compradores
   1.9. Hortensia – 774 compradores
   1.10. Tulipanes – 753 compradores
   1.11. Carmesi – 747 compradores
   1.12. Tierra – 745 compradores
   1.13. Claveles – 733 compradores

2. Popularidad en San Miguel
   2.1. Lirios, Aurora – 160 compradores
   2.2. Orquideas, Carmesi – 158 compradores
   2.3. Hortensia, Rosas – 157 compradores
   2.4. Globos – 151 compradores
   2.5. Girasoles - 150 compradores
   2.6. Tulipanes, Liston – 149 compradores
   2.7. Macetas, Tierra – 141 compradores
   2.8. Claveles – 137 compradores

3. Popularidad en San Salvador
    3.1. Liston – 690 compradores
    3.2. Rosas – 612 compradores
    3.3. Globos – 587 compradores
    3.4. Macetas – 392 compradores
    3.5. Tulipanes – 384 compradores
    3.6. Orquideas – 380 compradores
    3.7. Hortensia – 374 compradores
    3.8. Girasoles – 371 compradores
    3.9. Tierra – 368 compradores
    3.10.   Lirios – 365 compradores
    3.11.   Tulipanes – 357 compradores
    3.12.   Carmesi – 353 compradores
    3.13.   Claveles – 350 compradores

4. Popularidad en Santa Ana
    4.1. Lirios – 270 compradores
    4.2. Girasoles – 266 compradores
    4.3. Aurora – 260 compradores
    4.4. Orquideas – 259 compradores
    4.5. Tulipanes – 247 compradores
    4.6. Claveles – 246 compradores
    4.7. Macetas – 245 compradores
    4.8. Hortensia – 243 compradores
    4.9. Carmesi, Tierra – 236 compradores
    4.10.   Rosas – 176 compradores
    4.11.   Globos – 154 compradores
    4.12.   Liston – 136 compradores

Las sentencias realizadas para los obtener los datos anteriores fueron las siguientes:

- Seleccionar cuantas personas compran cierta flor en el pais

```
SELECT COUNT(*) AS ROSAS FROM Clientes WHERE Rosas = '1'
SELECT COUNT(*) AS CLAVELES FROM Clientes WHERE Claveles = '1'
SELECT COUNT(*) AS MACETAS FROM Clientes WHERE Macetas = '1'
SELECT COUNT(*) AS TIERRA FROM Clientes WHERE Tierra = '1'
SELECT COUNT(*) AS GIRASOLES FROM Clientes WHERE Girasoles = '1'
SELECT COUNT(*) AS HORTENSIA FROM Clientes WHERE Hortensia = '1'
SELECT COUNT(*) AS GLOBOS FROM Clientes WHERE Globos = '1'
SELECT COUNT(*) AS ORQUIDEAS FROM Clientes WHERE Orquideas = '1'
SELECT COUNT(*) AS CARMESI FROM Clientes WHERE Carmesi = '1'
SELECT COUNT(*) AS LIRIOS FROM Clientes WHERE Lirios = '1'
SELECT COUNT(*) AS AURORA FROM Clientes WHERE Aurora = '1'
SELECT COUNT(*) AS TULIPANES FROM Clientes WHERE Tulipanes = '1'
SELECT COUNT(*) AS LISTON FROM Clientes WHERE Liston = '1'
```

	ROSAS
1	945

	CLAVELES
1	733

	MACETAS
1	778

	TIERRA
1	745

	GIRASOLES
1	787

	HORTENSIA
1	774

	GLOBOS
1	892

	ORQUIDEAS
1	797

	CARMESI
1	747

	LIRIOS
1	795

	AURORA
1	804

	TULIPANES
1	753

	LISTON
1	975

Query executed successfully. | JOSU (14.0 RTM) | sa (60) | Floristeria_Fi

- Seleccionar cuantas personas compran cierta flor en el departamento de San Miguel

```sql
SELECT COUNT(*) AS ROSAS FROM Clientes WHERE Rosas = '1' AND Departamento='SM'
SELECT COUNT(*) AS CLAVELES FROM Clientes WHERE Claveles = '1' AND Departamento='SM'
SELECT COUNT(*) AS MACETAS FROM Clientes WHERE Macetas = '1' AND Departamento='SM'
SELECT COUNT(*) AS TIERRA FROM Clientes WHERE Tierra = '1' AND Departamento='SM'
SELECT COUNT(*) AS GIRASOLES FROM Clientes WHERE Girasoles = '1' AND Departamento='SM'
SELECT COUNT(*) AS HORTENSIA FROM Clientes WHERE Hortensia = '1' AND Departamento='SM'
SELECT COUNT(*) AS GLOBOS FROM Clientes WHERE Globos = '1' AND Departamento='SM'
SELECT COUNT(*) AS ORQUIDEAS FROM Clientes WHERE Orquideas = '1' AND Departamento='SM'
SELECT COUNT(*) AS CARMESI FROM Clientes WHERE Carmesi = '1' AND Departamento='SM'
SELECT COUNT(*) AS LIRIOS FROM Clientes WHERE Lirios = '1' AND Departamento='SM'
SELECT COUNT(*) AS AURORA FROM Clientes WHERE Aurora = '1' AND Departamento='SM'
SELECT COUNT(*) AS TULIPANES FROM Clientes WHERE Tulipanes = '1' AND Departamento='SM'
SELECT COUNT(*) AS LISTON FROM Clientes WHERE Liston = '1' AND Departamento='SM'
```

	ROSAS
1	157

	CLAVELES
1	137

	MACETAS
1	141

	TIERRA
1	141

	GIRASOLES
1	150

	HORTENSIA
1	157

	GLOBOS
1	151

	ORQUIDEAS
1	158

	CARMESI
1	158

	LIRIOS
1	160

	AURORA
1	160

	TULIPANES
1	149

	LISTON
1	149

Query executed successfully. | JOSU (14.0 RTM) | sa (60) | Floriste

- Seleccionar cuantas personas compran cierta flor en el departamento de Santa Salvador

```
SELECT COUNT(*) AS ROSAS FROM Clientes WHERE Rosas = '1' AND Departamento='SS'
SELECT COUNT(*) AS CLAVELES FROM Clientes WHERE Claveles = '1' AND Departamento='SS'
SELECT COUNT(*) AS MACETAS FROM Clientes WHERE Macetas = '1' AND Departamento='SS'
SELECT COUNT(*) AS TIERRA FROM Clientes WHERE Tierra = '1' AND Departamento='SS'
SELECT COUNT(*) AS GIRASOLES FROM Clientes WHERE Girasoles = '1' AND Departamento='SS'
SELECT COUNT(*) AS HORTENSIA FROM Clientes WHERE Hortensia = '1' AND Departamento='SS'
SELECT COUNT(*) AS GLOBOS FROM Clientes WHERE Globos = '1' AND Departamento='SS'
SELECT COUNT(*) AS ORQUIDEAS FROM Clientes WHERE Orquideas = '1' AND Departamento='SS'
SELECT COUNT(*) AS CARMESI FROM Clientes WHERE Carmesi = '1' AND Departamento='SS'
SELECT COUNT(*) AS LIRIOS FROM Clientes WHERE Lirios = '1' AND Departamento='SS'
SELECT COUNT(*) AS AURORA FROM Clientes WHERE Aurora = '1' AND Departamento='SS'
SELECT COUNT(*) AS TULIPANES FROM Clientes WHERE Tulipanes = '1' AND Departamento='SS'
SELECT COUNT(*) AS LISTON FROM Clientes WHERE Liston = '1' AND Departamento='SS'
```

	ROSAS
1	612

	CLAVELES
1	350

	MACETAS
1	392

	TIERRA
1	368

	GIRASOLES
1	371

	HORTENSIA
1	374

	GLOBOS
1	587

	ORQUIDEAS
1	380

	CARMESI
1	353

	LIRIOS
1	365

	AURORA
1	384

	TULIPANES
1	357

	LISTON
1	690

- Seleccionar cuantas personas compran cierta flor en el departamento de Santa Ana

```
SELECT COUNT(*) AS ROSAS FROM Clientes WHERE Rosas = '1' AND Departamento='SA'
SELECT COUNT(*) AS CLAVELES FROM Clientes WHERE Claveles = '1' AND Departamento='SA'
SELECT COUNT(*) AS MACETAS FROM Clientes WHERE Macetas = '1' AND Departamento='SA'
SELECT COUNT(*) AS TIERRA FROM Clientes WHERE Tierra = '1' AND Departamento='SA'
SELECT COUNT(*) AS GIRASOLES FROM Clientes WHERE Girasoles = '1' AND Departamento='SA'
SELECT COUNT(*) AS HORTENSIA FROM Clientes WHERE Hortensia = '1' AND Departamento='SA'
SELECT COUNT(*) AS GLOBOS FROM Clientes WHERE Globos = '1' AND Departamento='SA'
SELECT COUNT(*) AS ORQUIDEAS FROM Clientes WHERE Orquideas = '1' AND Departamento='SA'
SELECT COUNT(*) AS CARMESI FROM Clientes WHERE Carmesi = '1' AND Departamento='SA'
SELECT COUNT(*) AS LIRIOS FROM Clientes WHERE Lirios = '1' AND Departamento='SA'
SELECT COUNT(*) AS AURORA FROM Clientes WHERE Aurora = '1' AND Departamento='SA'
SELECT COUNT(*) AS TULIPANES FROM Clientes WHERE Tulipanes = '1' AND Departamento='SA'
SELECT COUNT(*) AS LISTON FROM Clientes WHERE Liston = '1' AND Departamento='SA'
```

	ROSAS	
1	176	

	CLAVELES	
1	246	

	MACETAS	
1	245	

	TIERRA	
1	236	

	GIRASOLES	
1	266	

	HORTENSIA	
1	243	

	GLOBOS	
1	154	

	ORQUIDEAS	
1	259	

	CARMESI	
1	236	

	LIRIOS	
1	270	

	AURORA	
1	260	

	TULIPANES	
1	247	

	LISTON	
1	136	