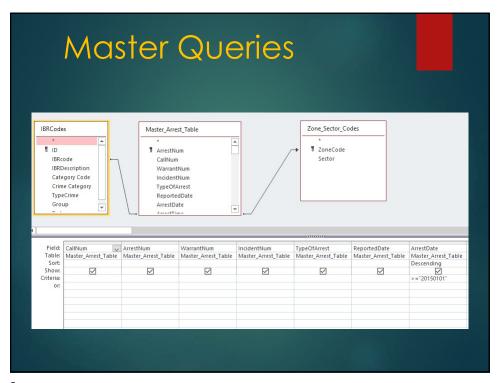


Mastering Complex Queries

- 1. Learn to create master queries
- 2. Learn complex expressions
- 3. Learn strategies to study trends ("StatsByYear" queries, etc.)





Complex Expressions

Iif statements

SuspectLocal?: Iif([Town]="Nashua" or [Town]="Merrimack","Yes","No")

• Reads if town is Nashua or Merrimack, then make this field equal yes. If not, then make the field equal no.

Shift: IIf([CallTime] Between "0700" And "1500","Shift1",IIf([CallTime] Between "1501" And "2300","Shift2","Shift3"))

 Reads if the data in the field named call time is between 0700 and 1500, then call it shift 1. If the data in the field named call time is between 1501 and 2300, then call it shift 2. Otherwise, all others should be called shift 3.

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Complex Expressions

Iif statements

Block: IIf([CallTime] Between "0000" And "0359","0000-0400",IIf([CallTime] Between "0400" And "0759","0400-0800",IIf([CallTime] Between "0800" And "1159","0800-1200",IIf([CallTime] Between "1200" And "1559","1200-1600",IIf([CallTime] Between "1600" And "1959","1600-2000","2000-2400")))))

 Reads if the data in the field called call time is between 0000 and 0359, then call the field 0000-0400. If the data in the field call time is between 0400 and 0759, then call field 0400-0800...

DayOfWeek •	0000-0400 -	0400-0800 -	0800-1200 •	1200-1600 -	1600-2000 -	2000-2400 -
Friday	1802	767	2821	2669	3148	2578
Monday	1408	775	2996	2717	2804	2083
Saturday	2188	580	2032	2281	2703	2486
Sunday	2076	458	1583	2055	2333	2028
Thursday	1581	861	3120	2827	3157	2336
Tuesday	1575	843	3087	2735	2916	2209
Wednesday	1666	896	3306	2677	2997	2223

Complex Expressions

1. Calculating ages

Age: Int(([DateOfReport]-[DOB])/365.25)

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Complex Expressions

1. Calculating ages

Age: Int(([DateOfReport]-[DOB])/365.25)

