**COM 230**

**MySql Regular Expression Patterns**

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| **Operator Type** | **Examples** | **Description** |
| Literal Characters Match a character exactly | a A y 6 % @ | Letters, digits and many special characters match exactly |
| \$ \^ \+ \\ \? | Precede other special characters with a \ to cancel their regex special meaning |
| \n \t \r | Literal new line, tab, return |
| \cJ \cG | Control codes |
| \xa3 | Hex codes for any character |
| Anchors and assertions | ^ | Field starts with |
| $ | Field ends with |
| [[:<:]] | Word starts with |
| [[:>:]] | Word ends with |
| Character groups any 1 character from the group | [aAeEiou] | any character listed from [ to ] |
| [^aAeEiou] | any character except aAeEio or u |
| [a-fA-F0-9] | any hex character (0 to 9 or a to f) |
| . | any character at all |
| [[:space:]] | any space character (space \n \r or \t) |
| [[:alnum:]] | any alphanumeric character (letter or digit) |
| Counts apply to previous element | + | 1 or more ("some") |
| \* | 0 or more ("perhaps some") |
| ? | 0 or 1 ("perhaps a") |
| {4} | exactly 4 |
| {4,} | 4 or more |
| {4,8} | between 4 and 8 |
| Add a ? after any count to turn it sparse (match as few as possible) rather than have it default to greedy | |
| Alternation | | | either, or |
| Grouping | ( ) | group for count and save to variable |