
A Few Helpful Alma Analytics Queries

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Today:

```
CURRENT_DATE  
CURRENT_TIMESTAMP
```

Setting Data Type:

```
CAST("dimension.field" AS X)  
X can be DATE or TIMESTAMP if a date field.  
X can be STRING or INTEGER if a number.
```

Setting Time Part:

```
X("dimension.field")  
X can equal YEAR, QUARTER, MONTH, DAY, DAYOFYEAR, DAYOFWEEK, HOUR, MINUTE, or SECOND for any  
date field.
```

Filter for 7 Days Ago:

```
TIMESTAMPADD(SQL_TSI_DAY, -7, CURRENT_DATE)
```

First Day of Last Month:

```
TIMESTAMPADD(SQL_TSI_MONTH, -1, TIMESTAMPADD( SQL_TSI_DAY , DAYOFMONTH( CURRENT_DATE) *  
-(1) + 1, CURRENT_DATE))
```

Last Day of Last Month:

```
TIMESTAMPADD( SQL_TSI_DAY , -(1), TIMESTAMPADD( SQL_TSI_DAY , DAYOFMONTH( CURRENT_DATE) *  
-(1) + 1, CURRENT_DATE))
```

First Day of Current Year:

```
TIMESTAMPADD(SQL_TSI_YEAR, 0, TIMESTAMPADD( SQL_TSI_DAY , DAYOFYEAR( CURRENT_DATE) * -(1)  
+ 1, CURRENT_DATE))
```

Extract Subject Letter from Permanent Call Number:

```
Evaluate('regexp_substr(%1,"[A-z]+")','Holding Details"."Permanent Call Number')
```

Extract Subject Number from Permanent Call Number:

```
Evaluate('regexp_substr(%1,"[0-9]+")',Evaluate('regexp_substr(%1,"[A-z]+[0-9]+")','Holding Details"."Permanent Call  
Number'))
```

Extract Subject Date from Permanent Call Number:

```
Evaluate('regexp_substr(%1,"([A-z])([0-9]+)\ ([0-9]+)'),'Holding Details"."Permanent Call Number")
```

Split Call Numbers Based on a Period Followed by a Letter:

```
Split 1: REPLACE(Evaluate('regexp_substr(%1,"[^\.]+"^A-z]+",1,1),'Holding Details"."Permanent Call Number'),' ','')
```

```
Split 2: REPLACE(Evaluate('regexp_substr(%1,"[^\.]+"^A-z]+",1,2),'Holding Details"."Permanent Call Number'),' ','')
```

Extract Barcodes with Non-Numerical Characters from Barcode:

```
Evaluate('REGEXP_INSTR(%1, "^[0-9]+$'),'Physical Item Details"."Barcode")
```

Extract OCLC Number from Network Number:

```
CASE WHEN EVALUATE('regexp_substr(%1,"OCOLC"),(UPPER("Bibliographic Details"."Network Number"))) IS NOT NULL THEN EVALUATE('regexp_substr(%1,"OCOLC+[0-9()]+'),(UPPER("Bibliographic Details"."Network Number"))) WHEN EVALUATE('regexp_substr(%1,"OCN"),(UPPER("Bibliographic Details"."Network Number"))) IS NOT NULL THEN EVALUATE('regexp_substr(%1,"OCN+[0-9]+'),(UPPER("Bibliographic Details"."Network Number"))) WHEN EVALUATE('regexp_substr(%1,"OCM"),(UPPER("Bibliographic Details"."Network Number"))) IS NOT NULL THEN EVALUATE('regexp_substr(%1,"OCM+[0-9]+'),(UPPER("Bibliographic Details"."Network Number"))) WHEN EVALUATE('regexp_substr(%1,"ON"),(UPPER("Bibliographic Details"."Network Number"))) IS NOT NULL THEN EVALUATE('regexp_substr(%1,"ON+[0-9]+'),(UPPER("Bibliographic Details"."Network Number"))) ELSE 'No OCLC Number Available' END
```

Extract 978 ISBNs from ISBN:

```
CASE WHEN "Bibliographic Details"."ISBN" LIKE '978%' THEN REPLACE(LEFT(SUBSTRING("Bibliographic Details"."ISBN" FROM LOCATE('978',"Bibliographic Details"."ISBN")), LOCATE(' ', SUBSTRING(CONCAT("Bibliographic Details"."ISBN"; ' ') FROM LOCATE('978',"Bibliographic Details"."ISBN"))),';','') WHEN "Bibliographic Details"."ISBN" LIKE '% 978%' THEN REPLACE(LEFT(SUBSTRING("Bibliographic Details"."ISBN" FROM LOCATE(' 978',"Bibliographic Details"."ISBN")), LOCATE(';', SUBSTRING(CONCAT("Bibliographic Details"."ISBN"; ' ') FROM LOCATE(' 978',"Bibliographic Details"."ISBN"))),';','') ELSE 'NO ISBN' END
```

CASE Statement to group dates 1988-2020 and before 1988: (Bins are way simpler than writing a CASE statement.)

```
CASE WHEN ("Bibliographic Details"."Publication Date" NOT LIKE '%1988%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1989%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1990%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1991%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1992%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1993%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1994%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1995%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1996%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1997%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1998%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%1999%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2000%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2001%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2002%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2003%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2004%' AND "Bibliographic Details"."Publication Date" NOT LIKE '%2005%')
```


