

### **DAX Queries 1:**

```
AgeGroup = SWITCH(
    TRUE(),
    'public cust_detail'[customer_age] < 30, "20-30",
    'public cust_detail'[customer_age] >= 30 && 'public cust_detail'[customer_age] < 40,
    "30-40",
    'public cust_detail'[customer_age] >= 40 && 'public cust_detail'[customer_age] < 50,
    "40-50",
    'public cust_detail'[customer_age] >= 50 && 'public cust_detail'[customer_age] < 60,
    "50-60",
    'public cust_detail'[customer_age] >= 60, "60+",
    "unknown"
)
```

### **DAX Queries 2:**

```
IncomeGroup = SWITCH(
    TRUE(),
    'public cust_detail'[income] < 35000, "Low",
    'public cust_detail'[income] >= 35000 && 'public cust_detail'[income] < 70000, "Med",
    'public cust_detail'[income] >= 70000, "High",
    "unknown"
)
```

### **DAX Queries 3:**

```
week_num2 = WEEKNUM('public cc_detail'[week_start_date])
```

### **DAX Queries 4:**

```
Revenue = 'public cc_detail'[annual_fees] + 'public cc_detail'[total_trans_amt] + 'public
cc_detail'[interest_earned]
```

### **DAX Queries 5:**

```
Current_week_Revenue = CALCULATE(
    SUM('public cc_detail'[Revenue]),
    FILTER(
        ALL('public cc_detail'),
        'public cc_detail'[week_num2] = MAX('public cc_detail'[week_num2]))
)
```

### **DAX Queries 6:**

```
Previous_week_Revenue = CALCULATE(
    SUM('public cc_detail'[Revenue]),
    FILTER(
        ALL('public cc_detail'),
        'public cc_detail'[week_num2] = MAX('public cc_detail'[week_num2])-1))
)
```