TASK 5 – ADVANCED DAX

TIME INTELLIGENCE DAX FUNCTIONS:

Formatting

```
1  Sales_Total_YTD = TOTALYTD(SUM(TI[Sales]),TI[OrderDate])
```

```
1  Sales_Total_QTD = TOTALQTD(SUM(TI[Sales]),TI[OrderDate])
```

```
1  Sales_Total_MTD = TOTALMTD(SUM(TI[Sales]),TI[OrderDate])
```

```
1  Money Last Year =
2  CALCULATE(
3  SUM(TI[Sales]),
4  SAMEPERIODLASTYEAR(TI[OrderDate])
5  )
```

```
1  Sales Last Month =
2  CALCULATE(
3  SUM(TI[Sales]),
4  DATEADD(TI[OrderDate], -1, MONTH)
5  )
```

```
1  Sales previous Year =
2  CALCULATE(
3  SUM(TI[Sales]),
4  PREVIOUSYEAR(TI[OrderDate])
5  )
```

```
1  Sales Next Month =
2  CALCULATE(
3  SUM(TI[Sales]),
4  NEXTMONTH(TI[OrderDate])
5  )
```

```
Sales Date YTD =
CALCULATE(
SUM(TI[Sales]),
DATESYTD(TI[OrderDate])
)
```

```
Sales Next Year =
CALCULATE(
SUM(TI[Sales]),
NEXTYEAR(TI[OrderDate])
)
```

```
ll period Sales Last Month =
CALCULATE(
SUM(TI[Sales]),
PARALLELPERIOD(TI[OrderDate], -1, MONTH)
)
```

```
First Day = STARTOFMONTH(TI[OrderDate])
```

OrderDate	Sum of Sales	Sales_Total_YTD	Sales_Total_MTD	Sales_Total_QTD	Money Last Year	Sales Last Month	Sales previous Year	Sales Previos Month	Sales Next Month	Sales Date YTD
12-01-2020	30000	30000	30000	30000					55000	30000
18-02-2020	55000	85000	55000	85000				30000	170000	85000
18-03-2020	15000	100000	15000	100000		55000		55000	15000	100000
19-03-2020	110000	210000	125000	210000				55000	15000	210000
25-03-2020	45000	255000	170000	255000				55000	15000	255000
05-04-2020	15000	270000	15000	15000				170000	110000	270000
19-05-2020	110000	380000	110000	125000				15000	30000	380000
28-06-2020	30000	410000	30000	155000				110000	60000	410000
14-07-2020	60000	470000	60000	60000				30000		470000
03-09-2020	60000	530000	60000	120000						530000
21-11-2020	75000	605000	75000	75000					45000	605000
30-12-2020	45000	650000	45000	120000				75000	195000	650000
07-01-2021	120000	120000	120000	120000			650000	45000		120000
12-01-2021	30000	150000	150000	150000	30000		650000	45000		150000
30-01-2021	45000	195000	195000	195000		45000	650000	45000		195000
18-03-2021	15000	210000	15000	210000	15000		650000		30000	210000
22-04-2021	30000	240000	30000	30000			650000	15000	55000	240000
11-05-2021	55000	295000	55000	85000			650000	30000		295000
09-07-2021	60000	355000	60000	60000			650000		45000	355000
25-08-2021	45000	400000	45000	105000			650000	60000		400000
13-10-2021	110000	510000	110000	110000			650000		45000	510000
29-11-2021	45000	555000	45000	155000			650000	110000		555000
04-01-2022	15000	15000	15000	15000			555000		60000	15000
21-02-2022	60000	75000	60000	75000			555000	15000	30000	75000
08-03-2022	30000	105000	30000	105000			555000	60000	45000	105000
17-04-2022	45000	150000	45000	45000			555000	30000		150000
02-06-2022	120000	270000	120000	165000			555000		15000	270000
26-07-2022	15000	285000	15000	15000			555000	120000		285000

OrderDate	Sum of Sales	Sales Next Year	ll period Sales Last Month	First Day
12-01-2020	30000	555000		12-01-2020 00:00:00
18-02-2020	55000	555000	30000	18-02-2020 00:00:00
18-03-2020	15000	555000	55000	18-03-2020 00:00:00
19-03-2020	110000	555000	55000	18-03-2020 00:00:00
25-03-2020	45000	555000	55000	18-03-2020 00:00:00
05-04-2020	15000	555000	170000	05-04-2020 00:00:00
19-05-2020	110000	555000	15000	19-05-2020 00:00:00
28-06-2020	30000	555000	110000	28-06-2020 00:00:00
14-07-2020	60000	555000	30000	14-07-2020 00:00:00
03-09-2020	60000	555000		03-09-2020 00:00:00
21-11-2020	75000	555000		21-11-2020 00:00:00
30-12-2020	45000	555000	75000	30-12-2020 00:00:00
07-01-2021	120000	430000	45000	07-01-2021 00:00:00
12-01-2021	30000	430000	45000	07-01-2021 00:00:00
30-01-2021	45000	430000	45000	07-01-2021 00:00:00
18-03-2021	15000	430000		18-03-2021 00:00:00
22-04-2021	30000	430000	15000	22-04-2021 00:00:00
11-05-2021	55000	430000	30000	11-05-2021 00:00:00
09-07-2021	60000	430000		09-07-2021 00:00:00
25-08-2021	45000	430000	60000	25-08-2021 00:00:00
13-10-2021	110000	430000		13-10-2021 00:00:00
29-11-2021	45000	430000	110000	29-11-2021 00:00:00
04-01-2022	15000	485000		04-01-2022 00:00:00
21-02-2022	60000	485000	15000	21-02-2022 00:00:00
08-03-2022	30000	485000	60000	08-03-2022 00:00:00
17-04-2022	45000	485000	30000	17-04-2022 00:00:00
02-06-2022	120000	485000		02-06-2022 00:00:00
26-07-2022	15000	485000	120000	26-07-2022 00:00:00

Growth Value:

```
1 YoY Growth Value =
2 VAR PrevYearSales =
3     CALCULATE([Total Sales], SAMEPERIODLASTYEAR(TI[OrderDate]))
4 RETURN
5 IF(
6     ISBLANK(PrevYearSales),
7     0,
8     [Total Sales] - PrevYearSales
9 )
```

60000 555000 30000 14-07-2020 00:0

12-01-2020	30000	0
18-02-2020	55000	0
18-03-2020	15000	0
19-03-2020	110000	0
25-03-2020	45000	0
05-04-2020	15000	0
19-05-2020	110000	0
28-06-2020	30000	0
14-07-2020	60000	0
03-09-2020	60000	0
21-11-2020	75000	0
30-12-2020	45000	0
07-01-2021	120000	0
12-01-2021	30000	0

Top 5 customer based on revenue: