

Exercise 1

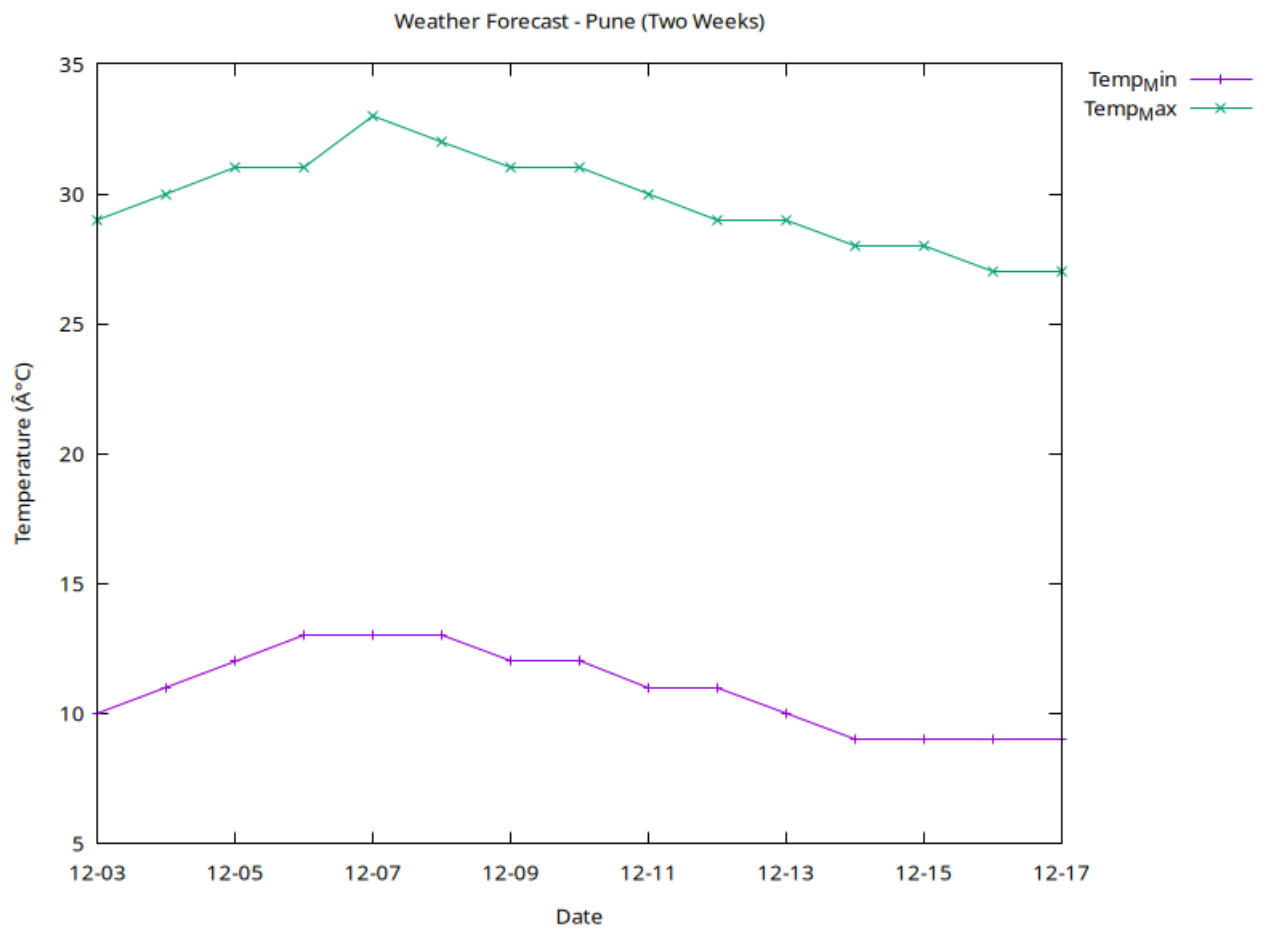
CONTENTS OF '.dat' FILE

Date	Min Temp(C)	Max Temp(C)
2024-12-03	10	29
2024-12-04	11	30
2024-12-05	12	31
2024-12-06	13	31
2024-12-07	13	33
2024-12-08	13	32
2024-12-09	12	31
2024-12-10	12	31
2024-12-11	11	30
2024-12-12	11	29
2024-12-13	10	29
2024-12-14	9	28
2024-12-15	9	28
2024-12-16	9	27
2024-12-17	9	27

SCRIPT

```
set output 'WeatherPlot.png'
set title 'Weather Forecast - Pune (Two Weeks)'
set xlabel 'Date'
set ylabel 'Temperature (°C)'
set xdata time
set timefmt "%Y-%m-%d"
set format x "%m-%d"
set key outside
plot 'weather.dat' using 1:2 with linespoints title 'Temp_Min'
'weather.dat' using 1:3 with linespoints title 'Temp_Max'
```

GRAPH



Exercise 2

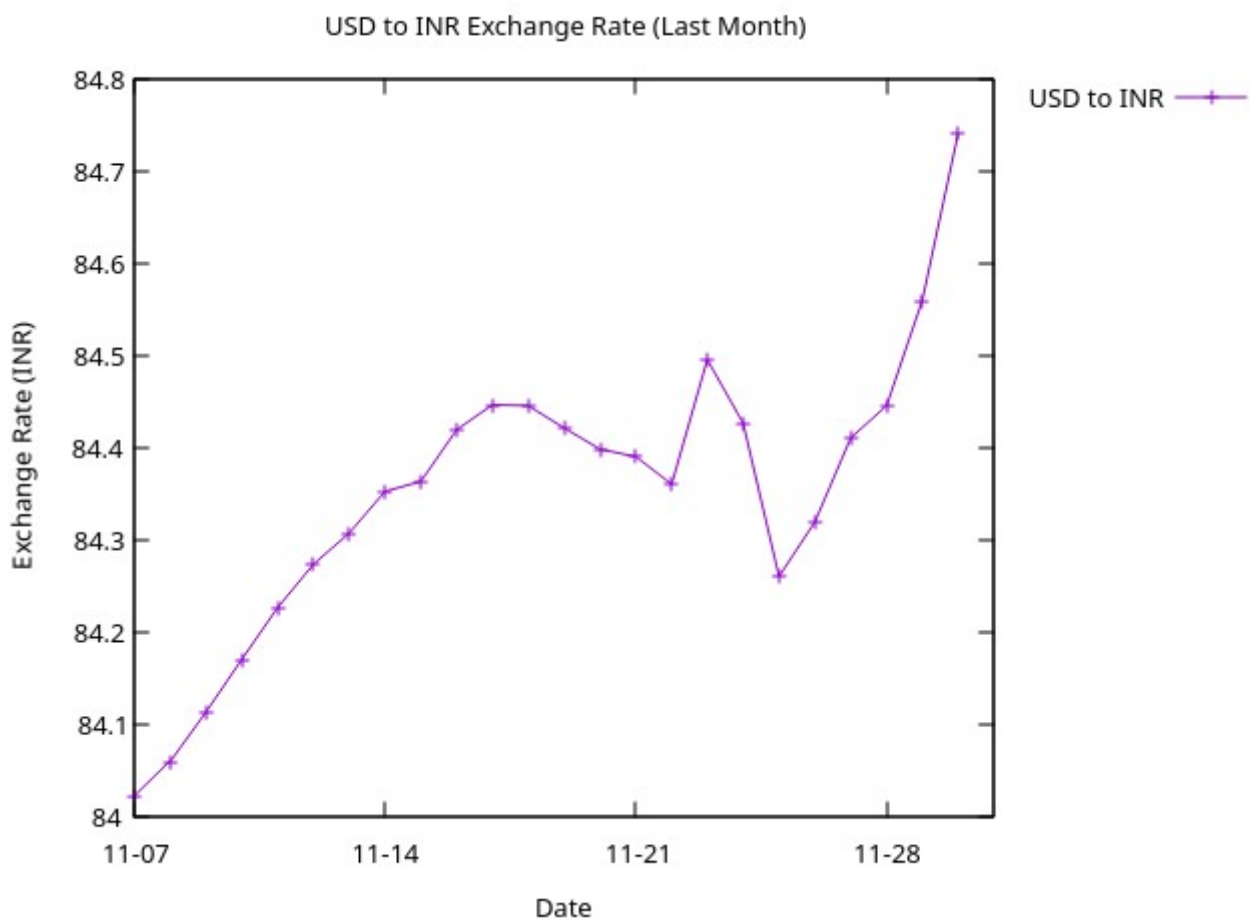
CONTENTS OF '.dat' FILE

<i>Date</i>	<i>Price</i>
2024-11-30	84.740
2024-11-29	84.559
2024-11-28	84.445
2024-11-27	84.410
2024-11-26	84.319
2024-11-25	84.260
2024-11-24	84.426
2024-11-23	84.495
2024-11-22	84.360
2024-11-21	84.390
2024-11-20	84.398
2024-11-19	84.421
2024-11-18	84.445
2024-11-17	84.446
2024-11-16	84.419
2024-11-15	84.363
2024-11-14	84.352
2024-11-13	84.307
2024-11-12	84.273
2024-11-11	84.226
2024-11-10	84.170
2024-11-09	84.113
2024-11-08	84.059
2024-11-07	84.021

SCRIPT

```
set output 'USD_INR_Plot.png'
set title 'USD to INR Exchange Rate (Last Month)'
set xlabel 'Date'
set ylabel 'Exchange Rate (INR)'
set xdata time
set timefmt "%Y-%m-%d"
set format x "%m-%d"
set key outside
plot 'usd_inr.csv' using 1:2 with linespoints title 'USD to INR'
```

GRAPH



Exercise 3

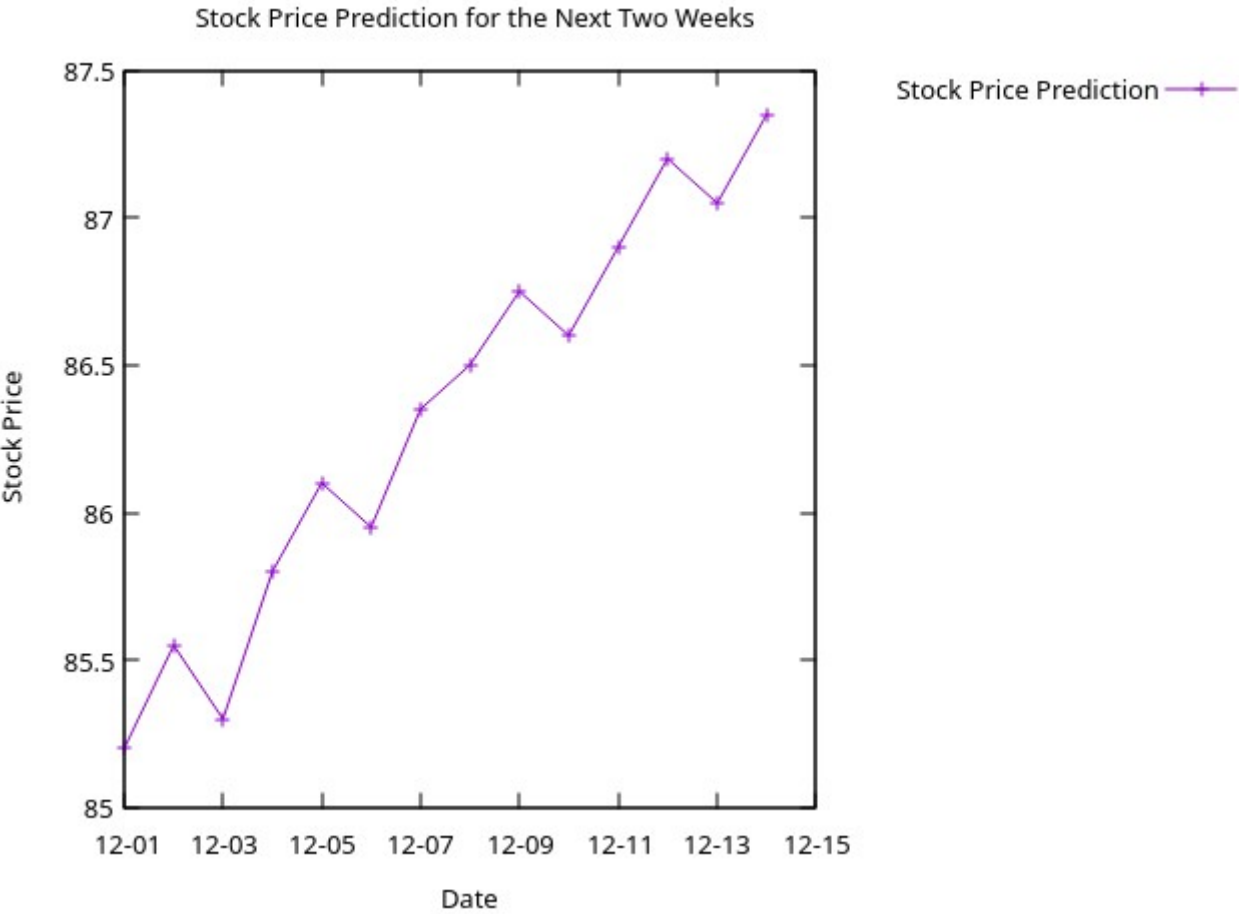
CONTENTS OF '.dat' FILE

<i>Date</i>	<i>Predicted Price</i>
2024-12-01	85.20
2024-12-02	85.55
2024-12-03	85.30
2024-12-04	85.80
2024-12-05	86.10
2024-12-06	85.95
2024-12-07	86.35
2024-12-08	86.50
2024-12-09	86.75
2024-12-10	86.60
2024-12-11	86.90
2024-12-12	87.20
2024-12-13	87.05
2024-12-14	87.35

SCRIPT

```
set output 'Stock_Prediction_Plot.png'
set title 'Stock Price Prediction for the Next Two Weeks'
set xlabel 'Date'
set ylabel 'Stock Price'
set xdata time
set timefmt "%Y-%m-%d"
set format x "%m-%d"
set key outside
plot 'stock_prediction.csv' using 1:2 with linespoints title
'Actual Stock Price', 'stock_prediction.csv' using 1:3 with
linespoints title 'Predicted Stock Price'
```

GRAPH



Exercise 4

CONTENTS OF '.dat' FILE

<i>Date</i>	<i>Sale</i>	<i>Predicted Sale</i>
01	150	167
02	180	194
03	200	211
04	220	239
05	240	257
06	260	273
07	280	295
08	300	317
09	320	334
10	340	353
11	360	376
12	380	392

SCRIPT

```
set output 'Water_Heater_Sales_Forecast.png'
set title 'Water Heater Sales Forecast'
set xlabel 'Date'
set ylabel 'Sales (Units)'
set xdata time
set timefmt "%Y-%m-%d"
set format x "%m-%d"
set key outside
plot 'sales.dat' using 1:2 with linespoints title 'Actual Sales',
'sales.dat' using 1:3 with linespoints title 'Predicted Sales'
```

GRAPH

