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1 /usr/local/bin/python3.11 /Users/uttakarsh/Desktop/
  StockMarketPrediction/scripts/quantum_model.py
2 Epoch 0: Cost = 2.041131297611104
3 Epoch 10: Cost = 0.6127025005018414
4 Epoch 20: Cost = 0.5284196838310329
5 Epoch 30: Cost = 0.42874091808315895
6 Epoch 40: Cost = 0.3913154525002418
7 Model saved to /Users/uttakarsh/Desktop/
  StockMarketPrediction/models/quantum/quantum_model.
  pkl
8 RMSE: 18.04523225196835
9 MAE: 9.40446336632067
10 MAPE: 0.05756059539188189
11 Accuracy: 94.24%
12 Metrics saved to /Users/uttakarsh/Desktop/
  StockMarketPrediction/reports/quantum_ml/
  quantum_model_metrics.txt
13
14 Top 3 Stocks to Invest In:
15   Symbol  Return_Percentage  close
16 1   CSC0           36.113878    60.46
17 4    XOM           4.978366   109.13
18 0    AMD           3.838049   100.79
19 Recommendations saved to /Users/uttakarsh/Desktop/
  StockMarketPrediction/reports/quantum_ml/
  stock_recommendations.csv
20 Enter your investment amount: $1200
21
22 Investment Recommendations:
23
24 Stock: CSC0
25 Buy Today at: $60.46
26 Sell on: 2025-03-13 at: $368.59
27 Expected Profit: $6115.71
28
29 Stock: XOM
30 Buy Today at: $109.13
31 Sell on: 2025-03-13 at: $368.59
32 Expected Profit: $2853.04
33
34 Stock: AMD
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35 Buy Today at: $100.79
36 Sell on: 2025-03-13 at: $368.59
37 Expected Profit: $3188.41
38
39 Process finished with exit code 0
40
```