**Answers (model\_output\_part\_b.docx)**

1. Coefficient obtained for SGD: [0.47096753]
2. Intercept obtained for SGD: [37.40708365]
3. RMSE, RSE and R2 score for SGD:

RSE : 2.5140669839318983

RMSE : 2.5117337426088926

R2 : 0.2037946187123868

1. Coefficient obtained for mini batch: [8.96439939]
2. Intercept obtained for mini batch: [0.8868832]
3. RMSE, RSE and R2 score for mini batch:

RSE : 2.662767791798514

RMSE : 2.660296545055646

R2 : 0.10682201617074649

1. Coefficient obtained for gradient descent: [0.5148107]
2. Intercept obtained for gradient descent: [33.55431898]
3. RMSE, RSE and R2 score for gradient descent:

RSE : 2.4546516548764536

RMSE : 2.4523735554020374

R2 : 0.24098360417109121