**TO FIND R2VALUE BY USING THE FOLLOWING MACHINE LEARNING ALGORITHMS**

1. MULTIPLE LINEAR REGRESSION (R2 value = 0.9358)
2. SUPPORT VECTOR MACHINE:

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| S.No | HYPER PARAMETER | LINEAR  (r value) | RBF (NON LINEAR)  (r value) | POLY  (r value) | SIGMOID  (r value) |
| 1 | WITHOUT STANDARDIZATION | 0.8950 | -0.05748 | Executes for long time and couldn’t find | -0.05748 |
| WITH STANDARDIZATION | | | | | |
| 1 | C10 | -0.0396 | -0.0568 | -0.0536 | -0.0547 |
| 2 | C100 | 0.1064 | -0.0507 | -0.0198 | -0.0304 |
| 3 | C500 | 0.5928 | -0.0243 | 0.1146 | 0.0705 |
| 4 | C1000 | 0.7802 | 0.0067 | 0.2661 | 0.1850 |
| 5 | C2000 | 0.8767 | 0.0675 | 0.4810 | 0.3970 |
| 6 | C3000 | 0.8956 | 0.1232 | 0.6370 | 0.5913 |

The SVM Regression use R2 value (linear and hyper parameter (C3000)) = 0.8956