AYUSH RAWAT MCA (1st Sem) B STD-ID 22391138

**PROBLEM STATEMENT:**

Write a BASH shell script to calculate final velocity (v) of an object,  
where an initial velocity (u), acceleration (a) and time duration (t) is given  
as an input. The formula that will be used is v = u + a\*t.

**OBJECTIVE:**

To Calculate the final velocity(v) with given formula and using BASH shell script.

**SHELL SCRIPT:**

echo "Shell script to calculate the final velocity using formula v = u + (a \* t)."

echo "Enter the initial velocity (in meters): "

read u

echo "Enter the acceleration (in meter/second^2): "

read a

echo "Enter the time duration (in seconds): "

read t

echo "The final velocity is (in meter/second): $((u + a \* t)) m/s."