ENGR 104

Quiz 1

February 2, 2024

1. What is the output of the following Python code?

Problem 1

print(f"The total distance travalled was {velocity * time} miles. ")

Output of the Code Above:

2. What is the output of the following Python code?

Output of the Code Above:

3. The velocity of a ball thrown straight up with initial velocity $v_0 = 20 \text{ m/s}$ at time t in seconds is given by

$$v(t) = v_0 - gt$$

where the gravitational constant g is 9.81 m/s^2 . Write Python code below that computes and prints the velocity at t=2. Use (descriptive) variables to store v_0, v, g , and t as you do your calculation.

10 = 20

9 = 9.81

velocity = 200 Vo - 9*+ Print(f" The velocity is Evelocity s.")