JAVA QP – 10.11.2023)

1) Write a program that displays the background color of a panel as black when the mouse button is pressed and as white when the mouse button is released.

2) Write two programs, such that one displays the mouse position when the mouse button is clicked and the other displays the mouse position when the mouse button is pressed and ceases to display it when the mouse button is released.

3) Write a program that calculates the future value of an Investment at a given interest rate for a specified number of years. The formula for the calculation is:

   futureValue = investmentAmount * (1 + monthlyInterestRate)years*12

   Use text fields for the investment amount, number of years, and annual interest rate. Display the future amount in a text field when the user clicks the *Calculate* button,