**Exp 1**

| 1 | **Programs on Basic programming constructs like branching and looping.**   1. **Title page**   **Program 1.a**  **Aim:** To implement a program to print the roots of quadratic equations.  **Theory:**  Variable: Types of variables.  Instance variable  Local variable  Static variable    Data types: list of data types with its size  Looping constructs: Syntax  **Conclusion:**   1. **Program code**   **output screenshot**  -----------  **Procedure (Not to be written, just for reference)**   * Define and assign values of variable a,b, and c. * Import java.jang.math package. * Find determinant D. * Use JAVA’s Math.sqrt(D) function to find square root. * Find determinant D.     **Program 1.b**   1. **Title page**   **Program 1.b**  **Aim:** To implement a Program to check if the entered no. is a prime no. or not.  **Program code**  **output screenshot**  **Conclusion:**  ----------------  **Program 1.c**   1. **Title page**   **Program 1.c**  **Aim:** To implement a Program to demonstrate the working of types of operators(Bitwise, Logical and relational) using switch case.  **Theory:**  Types of operators  Ask to enter choice ch  Case 1: Bitwise  Case 2: logical operators  Case 3: relational operators  **Conclusion:** |
| --- | --- |