

1.Creating an Arithmetic Calculator?

Program:

```
package practise;
import java.util.Scanner;
class calculator {
    public static void main(String[] args) {

        char operator;
        Double number1, number2, result;
        Scanner input = new Scanner(System.in);
        System.out.println("Choose an operator: +,
-, *, or /");
        operator = input.next().charAt(0);
        System.out.println("Enter first number");
        number1 = input.nextDouble();

        System.out.println("Enter second number");
        number2 = input.nextDouble();

        switch (operator) {
            case '+':
                result = number1 + number2;
                System.out.println(number1 + " + " +
number2 + " = " + result);
                break;
            case '-':
                result = number1 - number2;
```

```

        System.out.println(number1 + " - " +
number2 + " = " + result);
        break;
    case '*':
        result = number1 * number2;
        System.out.println(number1 + " * " +
number2 + " = " + result);
        break;
    case '/':
        result = number1 / number2;
        System.out.println(number1 + " / " +
number2 + " = " + result);
        break;

    default:
        System.out.println("Invalid
operator!");
        break;
    }

    input.close();
}
}

```

Output:

<terminated> calculator [Java Application] C:\Users\US

Choose an operator: +, -, *, or /

-

Enter first number

10

Enter second number

5

10.0 - 5.0 = 5.0