Algorithm

Step1: Declare a variable ‘operator’ of ‘char’ type to store operator.

Step2: Declare a variable ‘num1’ of ‘double’ type to store 1st number.

Step3: Declare a variable ‘num2’ of ‘double’ type to store 2nd number.

Step4: Declare a variable ‘result’ of ‘double’ type to store

Result of arithmetic operation.

Step5: get num1 and num2 and operator inputs using scanner class from user.

Step6: use switch statements to perform operation based on the operator by user.

Step7: if operator is invalid print error.

Step8: print the result of arithmetic operation stored in result.