**Problem Statement**

As a developer, write a Java code to create a calculator to perform the four basic arithmetic operations (addition, subtraction, multiplication, and division).

**Algorithm**

1. Start do-while loop
2. Print “Arithmetic Calculator Menu”
3. Print “1. Addition, 2. Subtraction, 3. Multiplication, 4. Division, 5. Exit”
4. Print “Enter your choice”
5. Read c
6. If c==1, print “Enter 2 numbers”
7. Read a and b
8. Compute (a+b)
9. Assign result to variable o
10. Display o
11. Break
12. If c==2, print “Enter 2 numbers”
13. Read a and b
14. Compute (a-b)
15. Assign result to variable o
16. Display o
17. Break
18. If c==3, print “Enter 2 numbers”
19. Read a and b
20. Compute (a\*b)
21. Assign result to variable o
22. Display o
23. Break
24. If c==4, print “Enter 2 numbers”
25. Read a and b
26. Compute (a/b)
27. Assign result to variable o
28. Display o
29. Break
30. If c==5, print “Exited”
31. Break
32. If c!=(1-5), print “Please enter valid choice”
33. Break
34. End do-while loop with condition while(c!=5)