public class IfElsePractice //What is the exact output?
{
public static void main (String [] args)
{
 int A = 1, B = 2, C = 3; D = 3, E = -17, F = 27;
 System.out.println("A = " + A );
 System.out.println("B = " + B );
 System.out.println("C = " + C );
 System.out.println("D = " + D );

System.out.println(E + F);
 if (A < B)
 System.out.println("True - A < B" );
 else
 System.out.println("False - A < B" );
 if (A == B)
 System.out.println("True - A == B");
 else
 System.out.println("False - A == B");
 if (C >= B)
 System.out.println("True C is > = B" );
 System.out.println("This is a statement following an if condition." );

 if (A < B)
 { }
 if (A > B)
 System.out.println("Hello Class." );
 else if (A > C)
 System.out.println("How are you today?" );
 else if ( A > D)
 System.out.println("Today is Wednesday." );
 else
 {
 System.out.println("I hope you all have a pleasant day!" );
 A = D;
 if (A != D)
 System.out.println("The value stored in D has not been assigned to A." );
 System.out.println("The value stored in D has been assigned to A." );
 System.out.println("A = " + A );
 System.out.println("D = " + D );
 }
 System.out.println("The statement after each if or else if or else condition is executed." );
 if( C > E || C > F)
 {
 System.out.println("Only one \'or\' statement needs to evaluate to true,\n" +
 " for the condition to be true,\n" + "and if the 1st condition is true the 2nd one is not checked."+
 " short circuit evaluation" );
 if ( C ==3)
 if (C > E && C > F)
 System.out.println("What?" );
 if ( C != 3)
 { }
 System.out.println("Not possible" );

 if ( C > E && F%B== 1)
 System.out.println("\n" + "Both statements must evaluate to true for \'and\' logic operator." );

} } }