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." );

} } }