

```
#include <stdio.h>
#include "libs.h"

//-----
//                                     Exercise 4
//                                     -----
//
// General : The program checks for the logical results of a championship game in
//           the basket ball.
//
// Input   : 2 numbers (results).
//
// Process : The program checks for the logical results by conditions.
//
// Output  : '1' if is it True, '0' is false.
//
//-----
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// Student No : None
// Date       : 12.09.2019
//-----
void main(void)
{
    unsigned short result1,
                  result2,
                  difference;
    BOOLEAN answer = FALSE;

    printf("Enter 2 numbers: ");
    scanf("%hu%hu", &result1, &result2);

    difference = ABS(result1 - result2);

    if (result1 <= ONE_HUNDRED_FIFTY)
    {
        if (result2 <= ONE_HUNDRED_FIFTY)
        {
            if (result1 >= FORTY)
            {
                if (result2 >= FORTY)
                {
                    if (difference < SIXTY)
                    {
                        if (difference != ZERO)
                        {
                            answer = TRUE;
                        }
                    }
                }
            }
        }
    }

    printf("The answer: %hu\n", answer);
}
```