מטלה מס' 6 - לולאת for

מאת : זאב בייקר

שאלה 1

א.

13,13 = equal 13,-80 = -80 4,17 = 4 3,-3 = -3 0,11 = 0

ב.

loop for n times and print the lower number form the pair

שאלה 2

א.

sum1 = 19 sum2 = 8

ב.

loop for 5 times and save even numbers to sum1 and uneven numbers to num2

שאלה 3

א.

1 .ב 120 .א Illegal number .ג

ב.

multiply n by f (which starts at 1 and saves the value of $f*=n$) while dec n until 0 then prints the number

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שאלה 4

```c
#include <stdio.h>

int main()
{
    int num_1,num_2,low=0,high=0,temp;
    scanf("%d %d",&num_1,&num_2);

    if (num_1<num_2)
```

```c
        temp=num_1;
    else
        temp=num_2;

    for (int i = 2; i < temp ; i++)
    {
        if (num_2 % i == 0 && num_1 % i == 0)
        {
            low=i;
            break;
        }
    }

    for (int i = temp; i > 1; i--)
    {
        if (num_2 % i == 0 && num_1 % i == 0)
        {
            high = i;
            break;
        }
    }

    if (high !=0 && low !=0)
        printf("high %d low %d",high,low);
    else
        printf("cant find any");
}
```