דוגמאות נוספות מהשיעור המקוון 31/3/2020

**דוגמא לשימוש באופרטורים לוגיים**

ירון ילך לסרט אם מיכל **וגם** שירה יצטרפו אליו. = &&

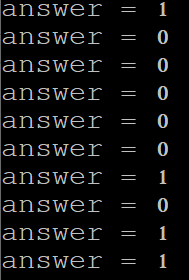
ירון ילך לסרט אם מיכל **או** שירה יצטרפו אליו. = ||

ירון ילך לסרט אם **לא** יורד גשם = !

#include <stdio.h>

int main()

{

 int answer;

answer = !0;

printf("answer = %d",answer);

answer = !1;

printf("answer = %d",answer);

answer = !8;

printf("answer = %d",answer);

answer = !-9;

printf("answer = %d",answer);

answer = !0.5;

printf("answer = %d",answer);

answer = (7<((!3)+3)); // 7<!1+3 = 7<0+3 = 7<3 = 0

printf("answer = %d",answer);

answer = 5&&-2&&0.5;

printf("answer = %d\n",answer);

answer = 0&&1&&1&&1;

printf("answer = %d\n",answer);

answer = 0||2.3;

printf("answer = %d\n",answer);

answer = 1||0||0;

printf("answer = %d\n",answer);

}

**דוגמא לשימוש ב++ --**

#include <stdio.h>

int main()

{

int answer, num=5, x=2 ;

answer = ++num ; // num=6, answer=6

printf("answer=%d, num=%d",answer,num);

answer = num++ ; // answer=5 , num=6

printf("answer=%d, num=%d",answer,num);

answer = ++x \* --num ; // x=3 , num=4 , answer=3\*4=12

printf("answer=%d, num=%d, x=%d",answer,num,x);

answer = x++ \* num-- ; // answer=2\*5=10 , x=3 , num=4

printf("answer=%d, num=%d, x=%d",answer,num,x);

answer = ++x \* num-- ; // x=3 , answer=3\*5=15 , num=4

printf("answer=%d, num=%d, x=%d",answer,num,x);

answer = ++x \* ++x ; // x=3, x=4 , answer = 4\*4=16

printf("answer=%d, num=%d, x=%d",answer,num,x);

}