**מעבדה 10 – מת"מ -   
מגישים:  
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שאלה 1 קוד  
פלט1:**

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

double sum\_square(int m, int n, float(\*f)(int a)); //function that receive 2 integers and a pointer to a function that return float and receives 1 integer

float func1(int x);

float func2(int x);

int main() {

printf("The sum of func2: %.5lf\n", sum\_square(2, 13, func2));

printf("The sum of func1: %.5lf\n", sum\_square(1, 10000, func1));

return 0;

}

float func1(int x) { return 1.0 / x; }

float func2(int x) { return x / 5.0; }

double sum\_square(int m, int n, float(\*f)(int a)) {

double sum = 0; //the function return double

float temp; //we use it to receive the float value from each function

int i;

for (i = m; i <= n; i++) {

temp = f(i); //we send a number between m<=i<=n

temp \*= temp; //f^2

sum += temp;

}

return sum;

}

