**LUCRARE 1**

**Lab 1 Ex1:**

A=[1 2;3 4]

B[1 3 5 7]

C[1;4;7;9;]

A(2,1)

B(1,3)

C(4,1)

**Lab 1 Ex2:**

X=[1 0 2;0 0 1;0 0 4];

help any

any(1)

function f1(x,y)

if ((x-y)>=0)&((x-y)<=10)

a=x^3+y^3

elseif ((x-y)<0)&(y>=0)

a=x^2+y^2

else a=(x-y)^2

end

end

**Lab 1 ex3:**

a=0;

for i=1:1:100

a=a+i;

end

a

**Lab 1 ex4:**

A=[1 2 3 4 5 6 7 8 9 10 11];

a=0;

for i=A(1,1):1:A(1,11)

if i<=8

a=a+i;

end

end

a

**Lab 1 ex5:**

X=[1 0 2;0 0 1;0 0 4];

any(X)

all(X)

any(X>-1)