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SORU1

a.

X = [2 3 5 8]

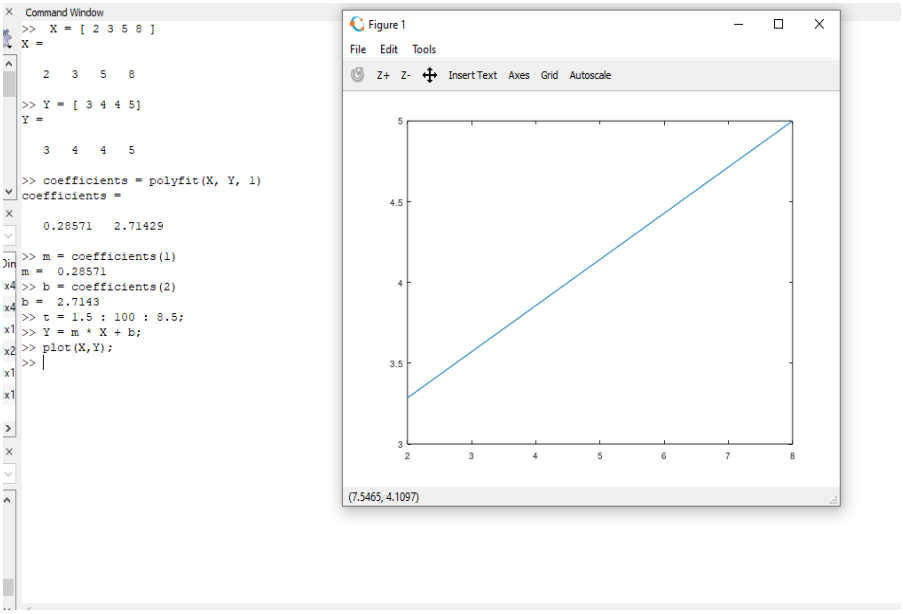
Y = [3 4 4 5]

coefficients = polyfit(X, Y, 1)

m = coefficients(1)

b = coefficients(2)

b.



SORU2

a. sum(primes(1000))

b. cumsum(list_primes(length(primes(1000))))(end)

SORU3

soru3 a

V2= []

V2 = [](0x0)

```
                for i=1:length(V)
                V2 = [V2 V(i) V(i)];
                end
soru3b
V2=repelem(v, 2)


SORU4
k = (a1{2})(2,2)

SORU5
A=[9 0 0 0 0 0;0 2 0 0 1 0;0 3 0 0 0 0;8 0 0 0 0 5;0 0 0 0 0 0;0 0 0 0 0 0]
sparse(A)

SORU6
6a)
for n=0:10
toplam=0;
toplam=toplam+((1/((2*n)+1)))*cos((n*pi)+(0.2*pi))
disp(toplam)
end

6b)
n = 10
sum( arrayfun(@(n) ((1/((2*n)+1))) * cos((n*pi)+(0.2 * pi)), 0:n) )

SORU7
feval('size', zeros(4))

SORU8
function [satis varargout] = satis_hesap(boy, en, varargin)
```

```
    maliyetToplam = boy * en
    for k = 1:nargin-2
        maliyetToplam += varargin{k}
    end

    for k = 1: nargout
      varargout{k} = maliyetToplam;
      maliyetToplam /= 2;
    end
end
```