**EXPERIMENT THREE-A**

**1/16/FET/BCG/1/005**

a=10;

b=100;

w=100

r=[];

d=[];

e=[];

f=[];

g=[];

h=[];

i=[];

j=[];

k=[];

l=[];

aa=0;

bb=0;

cc=0;

dd=0;

ee=0;

ff=0;

gg=0;

hh=0;

ii=0;

for z=1:w

r(z)=ceil(a+(b-a)\*rand());

end,

*//printf("AGE\n")*

*//disp(r);*

for z=1:w

if r(z)<=20 then

d(z)=r(z)

aa=aa+1

elseif r(z)>20&&r(z)<=30 then

e(z)=r(z)

bb=bb+1

elseif r(z)>30&&r(z)<=40 then

f(z)=r(z)

cc=cc+1

elseif r(z)>40&&r(z)<=50 then

g(z)=r(z)

dd=dd+1

elseif r(z)>50&&r(z)<=60 then

h(z)=r(z)

ee=ee+1

elseif r(z)>60&&r(z)<=70 then

i(z)=r(z)

ff=ff+1

elseif r(z)>70&&r(z)<=80 then

j(z)=r(z)

gg=gg+1

elseif r(z)>80&&r(z)<=90 then

k(z)=r(z)

hh=hh+1

elseif r(z)>90&&r(z)<=100 then

l(z)=r(z)

ii=ii+1

end,

end

printf("\nmean")

m=mean(r)

disp(m)

printf("\nmedian")

n=median(r)

disp(n)

printf("\nmode")

q= tabul(r)

[n,i]=max(q(:,2))

amode=q(i,1)

disp(amode)

printf("\nvarience")

o=variance(r)

disp(o)

printf("\nstandard deviation")

p=stdev(r)

disp(p)

x=[20;30;40;50;60;70;80;90;100]

y=[aa;bb;cc;dd;ee;ff;gg;hh;ii]

bar(x,y)

