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matlab fundamentals

```
clc;
clear;
close all;
```

vector declaration

```
x=[1 2 3];
x1=[4 6 7];
```

special matrix

```
x2=eye(3);
x3=ones(5);
x4=ones(5,1);
x5=zeros(1,3);
```

matrix formation

```
x6=[1 2 3;4 5 6;7 8 9];
x7=[10 11 12;13 14 15;16 17 18];
```

matrix formation

```
a1=x1';
a2=x6';
a3=x6*x7;
a4=x6.*x7;
a5=sqrt(x7);
a6=power(x7,2);
a7=x7./x6;
a8=inv(x6);
```

```
Warning: Matrix is close to singular or badly scaled. Results may be
 inaccurate.
RCOND =  1.541976e-18.
```

user defined function

```
a9=adjointmatrix(x6);
```

```
Warning: Matrix is close to singular or badly scaled. Results may be
 inaccurate.
RCOND =  1.541976e-18.
```

other method

```
x8=1:0.1:10;
x9=linspace(0,2,100);
```

end of prog

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