

Mathematics Dep./2nd class

البرمجة في الماتلاب

Programming in Matlab

**The Lecturer
Ohood .F.Alwan**

Input and fprintf

```
fx>> x=input('please enter a number :')
```

```
please enter a number : 100
```

```
x =
```

```
    100
```

```
fx >> fprintf('%d',x)
```

```
100>>>
```

```
fx >>>
```

fprintf('format', x,...)

Format Code Description

- **%d** integer format
- **%f** Decimal format

Control code Description

- **\n** Start new line
- **\t** Tab

Text string,error message

- Text string are entered into matlab surrounded by single quotes

```
fx>> s='this is a text'
```

- Text string can be displayed with

```
fx>> disp('this is message')
```

- Error message are best display with

```
fx>> error('sorry, this is error')
```

Relational operators in MATLAB

Example	Operator	Relationship
$x == 5$	<code>==</code>	Equal to
$y \sim = 4$	<code>~=</code>	Not equal to
$b < 0$	<code><</code>	Less than
$u > v$	<code>></code>	Greater than
$5 \leq 7$	<code><=</code>	Less than or equal to
$4 \geq 3$	<code>>=</code>	Greater than or equal to