

#### Code 1

##### **Define variables**

```
a = 5;
```

```
b = 3;
```

##### **Perform arithmetic operations**

```
sum_ab = a + b;
```

```
difference_ab = a - b;
```

```
product_ab = a * b;
```

```
quotient_ab = a / b;
```

##### **Display results**

```
disp(sum_ab);
```

```
disp(difference_ab);
```

```
disp(product_ab);
```

```
disp(quotient_ab);
```

#### Code 2

##### **Define a variable**

```
x = 10;
```

##### **Check if x is greater than 5**

```
if x > 5
```

```
    disp('x is greater than 5');
```

```
else
```

```
    disp('x is not greater than 5');
```

```
end
```

#### Code 3

##### **Calculate the sum of numbers from 1 to 10**

```
sum = 0;
```

```
for i = 1:10
```

```
    sum = sum + i;
```

```
end
```

##### **Display the sum**

```
disp(sum);
```