

# General Test

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# Chapter 1

## SomeChapter

This is dummy text

Example

```
gap> S5 := SymmetricGroup(5);  
Sym( [ 1 .. 5 ] )  
gap> Size(S5);  
120
```

Some text between two examples

Example

```
gap> A5 := AlternatingGroup(5);  
Alt( [ 1 .. 5 ] )  
gap> Size(A5);  
60  
gap> # Test whether ]]> can be used safely  
gap> [[2]]>[[1]];  
true
```

And we wrap up with some dummy text

### 1.1 Some categories

Intro text

#### 1.1.1 MyThings (for IsObject)

▷ MyThings(arg)

(filter)

**Returns:** true or false

#### 1.1.2 MyThingsCollection

▷ MyThingsCollection(obj)

(filter)

**Returns:** true or false

### 1.1.3 MyThingsCollColl

▷ `MyThingsCollColl(obj)` (filter)

**Returns:** true or false

Let's wrap up with something, though.

## 1.2 SomeSection

Some test just inside a section.

### 1.2.1 SomeSubsection

This is a subsection!

### 1.2.2 MarkDown support

We can use test some markdown features here:

- This is a list item.
  - This is a subitem
  - We can also use math mode here:  $a^2 + b^2 = c^2$ .
- This is *emphasized* text in a list item.
- This is also *emphasized* text in a list item.
- This is `inline code` in a list item.

All of this can *also* be *used* outside of a list. This text will only appear in the  $\text{\LaTeX}$ version.

This text will only appear in the  $\text{\LaTeX}$ version, too.

## 1.3 Testing various kinds of documentation

### 1.3.1 SomeCategory (for IsObject)

▷ `SomeCategory(arg)` (filter)

**Returns:** true or false

A category

### 1.3.2 SomeRepresentation (for IsAttributeStoringRep)

▷ `SomeRepresentation(arg)` (filter)

**Returns:** true or false

A collection category over the category we just created; A collection category over the category we just created; A collection category over the category we just created; A representation

### 1.3.3 SomeAttribute (for IsGroup)

▷ `SomeAttribute(arg)` (attribute)

An attribute

### 1.3.4 SomeProperty (for IsGroup)

▷ `SomeProperty(arg)` (property)

**Returns:** true or false

A property

### 1.3.5 SomeOperation (for IsInt, IsGroup)

▷ `SomeOperation(arg1, arg2)` (operation)

An operation

### 1.3.6 SomeConstructor (for IsGroup, IsInt)

▷ `SomeConstructor(arg1, arg2)` (constructor)

A cConstructor

### 1.3.7 SomeGlobalFunction

▷ `SomeGlobalFunction(arg)` (function)

A global function

### 1.3.8 SomeGlobalVariable

▷ `SomeGlobalVariable` (global variable)

A global variable

### 1.3.9 SomeGlobalName

▷ `SomeGlobalName` (global variable)

A global name

### 1.3.10 SomeFilter

▷ `SomeFilter` (filter)

A filter

### 1.3.11 SomeInfoClass

▷ SomeInfoClass (info class)

An info class

### 1.3.12 SomeKeyDependentOperation (for IsGroup, IsInt)

▷ SomeKeyDependentOperation(*arg1*, *arg2*) (operation)

A key dependent operation

## 1.4 Testing the group commands

### 1.4.1 A family of operations

▷ FirstOperation(*arg*) (operation)  
 ▷ SecondOperation(*arg1*, *arg2*) (operation)  
 ▷ ThirdOperation(*arg1*, *arg2*) (operation)

First sentence. Second sentence. Third sentence.

## 1.5 Testing chunks

This test comes after the chunk is declared, but before it is inserted. Hello, world. This line is indented!  
 The text "Hello, world." is inserted right before this.

## 1.6 Testing code chunks

This test comes after the code chunk is declared, but before it is inserted.

Code

```

Hello, world.
x := 1 + 1;
if x = 2 then
  Print("1 + 1 = 2 holds, all is good\n");
else
  Error("1+1 <> 2");
fi;
```

The text "Hello, world." is inserted right before this.