

" Functions "

a special type of procedure which returns a value.

→ a procedure accepts data or variables when they are executed

→ Functions also accept data, but have the ability to return a value to the procedure or program which requests it.

Functions are used to perform mathematical tasks like Factorial calculations.

function :-

- begins with the keyword Function.
- it is similar in structure to procedure.
- a value is assigned to the function name.

Function name (variables) : return data type ;

Function name (var) : return data type ;
local declaration ;

begin

Statements ;

name := expression ;

↑

assigned value
to the function
name.

returning the Max btw 2 num.

function max (num1, num2: integer):
var integer;

```
result: integer ← local
begin
  if (num1 > num2) then
    result := num1
  else
    result := num2
  Max := result
end;
```

procedure different.

Function

- may return one or more value or may not return at all.
- procedures are normally used for executing business logic.

- always returns value
- normally used for computation