

The Structure of a Pascal Program

Every Pascal program must follow a basic structure. While this structure is very similar to Karel programming, there are several differences. Below is the basic structure that every Pascal program must follow.

```
PROGRAM ProgramName;  
  
VAR  
    VariableName : VariableType;  
    VariableName : VariableType;  
    ...  
  
PROCEDURE ProcedureName;  
    variables here if necessary  
BEGIN  
    Some Code;  
END ;  
  
FUNCTION FunctionName(variableList): VariableType;  
    variables here if necessary  
BEGIN  
    Some Code if necessary;  
    FunctionName := some expression  
    More Code if necessary;  
END ;  
  
... more functions and procedures if necessary ...  
  
BEGIN  
    the main program block. It should be small and all  
    work should be delegated to the procedures and  
    functions.  
    It often consists of a WHILE loop that calls in  
    turn procedures and functions in the appropriate  
    order.  
END .
```

Note: The functions and procedures can appear in any order. The only requirement is that if one procedure or function uses another one, that latter one must have been defined already.