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Reference

This appendix defines the structure of the Karel programming language on a single page.

| Base Karel commnds: | | Conditions: |
|---|---|---|
| move() turn_left() put_beeper() pick_beeper() Karel program structures: # Comments can be included in any part # of a program. They start with a # # and include the rest of the line. def main(): code to execute declarations of other functions | | if condition: code run if condition passes if condition: code block for "yes" else: code block for "no" |
| | | |
| | | for i in range(count): code to repeat |
| | | while condition: code to repeat |
| | | Names of the conditions: |
| <pre>front_is_clear() beepers_present() beepers_in_bag()</pre> | <pre>front_is_blocked() no_beepers_present() no_beepers_in_bag()</pre> | def name(): code in the body of the function. |
| <pre>left_is_clear() right_is_clear() facing_north() facing_south() facing_east() facing_west()</pre> | <pre>left_is_blocked() right_is_blocked() not_facing_north() not_facing_south() not_facing_east() not_facing_west()</pre> | Extra Karel Commands: paint_corner(COLOR_NAME) corner_color_is(COLOR_NAME) |