**Tiny Programming Language**

The Regular Expressions :

1. Number :-  **{** (0-9) (0-9)\*(.(0-9)˖)? **}  
   ![Diagram

   Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAAAAAAAD/4RCyRXhpZgAATU0AKgAAAAgAAodpAAQAAAABAAAIMuocAAcAAAgMAAAAJgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFkAMAAgAAABQAABCAkAQAAgAAABQAABCUkpEAAgAAAAMwMAAAkpIAAgAAAAMwMAAA6hwABwAACAwAAAh0AAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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VWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/AP38ooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5P4x/GHwD8AvhzqHxY+KWpXtroumeULqTTtFu9RuC0sqRRpFbWcUs87vK6IqRozMWGBXNL+1/8As/L8YbP4ES+M76PxJe+WkcM3hnUEs4bmWH7RHYz3rQfZbe+eH96tlLKlyyfMIsVhf8FDP+TZZ/8AsdPC/wD6f7CvCfiV4C+J+q/GrxB8AtL+HHiptY8RftE+H/H2k+LG8L3UujRaHZw6c88smoRottFKjWc1qto8yXT7lZUZG30AfUPx6/aZ+EH7NGj6fqvxW1rVkbVrh4NJ0vw74V1HXNSvXSMvIYbLTbe4uZURBvd1jKovLlRUng39pT4MfELxxZ/DzwX4ruNQvtU8Jx+JdJu4NGu/7Pv9Ld1QTW9+Yvss7BnTfEkrSoJEZ0VXUn5+/ab0r9qX4Vv4H+NnjT4tW2q+MNB1jU7Oy1r4c/s26zremjS7yGLfY3mk2utXF+JXeCNkvoplhiZP3yKjfNL+xh8MPGvwa8V/BX4c/EdLhPEFj8D9ck1iG8kiaSC4m1XTZnicxfJlGk2fJ8vy/LxQB9d0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcV+0DZfAm4+CniaT9pnRPDd98P7XR57vxdb+MLCG60z7DCnmyPcxTqyPGqpuO5W6V4r4F1L9uv8AaS0K28Y/DrVPDXwH+H01uh8I6PqXgttW8S3tjsXybi5jeeG10kMnzCy8q4lVSm94nV4F1P22rQfFv4ofBn9ki4VpNL8YeNJPEXjK2H3bnRNBiW9MLj+KKXU30eKVD8rxSyo24PtP0XQB863Ogf8ABTL4T/8AE00X4g/C/wCMVgrAy6DrPh+58J6oU/i8u/gnvbaV8fdie0hUkYaZQ25Jvgp+0L+zR8Qv2gZrbxb8Fz8M/jtf6CLO70fxv4dtbTX9S023dnKWl/EXi1azikd2/wBFuJo42YswQtX0JXEfHb9n74RftKfD+b4afGbwfFrGmSTrcWrec8N1YXKf6u7tbiJlmtbhD8yTROkiH7rCgDt6K+fPgJ8TPid8HvjN/wAMWftD+KLjxDdTaPNqnwv+Id9Gkc3ifTYGRbiyvNiqn9qWnmRlyiqtzA6TqistwqfQdABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHz7fR/29/wVP0uSXn/AIRX9n+/Fv8A7H9q63Z7/wDvr+x4/wDvivoKvn/Rf3f/AAVK8SeYP9d8AdE8v/gGt6tu/wDQ0r6AoAKKKKAPnf8A4KSWqeHvgr4d+PWnpt1j4X/E3w34g0u62/NHbvqUNhqUSnr++0y9v4P+23fGK+iK+ef+CkEyeIvhJ4P+BNoytqHxM+LXhjQrOH+KS2h1GLVdSwO+3TNNv3/4BX0NQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRXmHx1/a4+BP7Ol/p/hn4heLpp/E2tRPJoHgvw7pdxquu6qqnaz29haJJcPGrYVptgij3De6DmgD0+ivnmD9oz9ubx0Ptvwr/4J6x6TZyH/R5Pi98VrPRJpR/C/k6TbauyKeu19rr/ABIrblV0vx2/4KE+EEN548/4J+eHNbtl5kt/hb8bodSvGX/YTWdO0iIt/vTL9aAPoSivH/gx+2r8DfjL4y/4VMbvWPCPj1bd55Ph74+0eXSNYMSfflghm+S9hXIzPaPPCu4AuDxXsFABRRRQAUUUUAFFFFABRRRQB8+62w0f/gqd4YVxt/4SP9n/AF0r/tf2brekZ/L+1R/31X0FXz7+0O58N/t2/s6eMm+VdWXxd4Q3f3jdaZFq2z/yglv+AVe+IX7enwm0Lx9qPwc+D/hHxV8WvG+j3DW+teF/hnpcd4NJuMK3k39/cSwafp8u11byrm5ilZW3KjDNAHulY/j/AF5/DHgTWvEscm1tN0m5uVbHQxxM/wDSvFE+Mn/BSTXl+2eGP2Fvhtptu3K2/jb4/XFndqP9pNP0C/i3fSZh/tVj+P8A48ftTxeCdY8H/tBfsCeJk0bVtLuLHUtc+DPjew8SNZQzRlHlEF5HYXcm1TwsNrcPux+6YZoA/O3/AIJJ/wDBebw1/wAFFP2r/hnoH7SvgXxNdfE7wh4UfQdH0nwV4RmvrK61a+uxBqHiO5MXyWFvFZxWibm+SL7Zf/dTy937W18m/wDBJL9nj/gm1+zd8BZvh/8A8E7rexlh0+ZLfxpqOpRuniWW+C7saylxFFdW9x8zOLeaKEIHOyJFOK+sqACiiigAooooAKKKKACiiigAooooAKK8P+I/7eXwg8K+N9Q+Efws8OeJ/it460uXydU8HfDHS0v5tNkx/q768llisNNk5HyXdzC5DBgrLzWYvxm/4KQeIE+2eFf2Efh3pdu3K2/jr4+S2V4o/wBpNN0LUYQ30mYf7VAH0HRXzzN+1P8Atb/Dw/avjj/wT61ybT1/4+tW+Efjaz8Tx2q/32trpNOvpV/2be2nf/Y+8R6R8Cv2l/gb+0vod5rnwT+IdrrX9mXC22tae0MtrqGkXBXcLe+srhEubKbHPlXEaPjnbQB31FFFABRRRQAUUUUAFFFVb7ULPSrGbUtRuo4La3haS4mmbasaAZZiewAoA8V/aa+PfxFsviBov7Jn7NQt5PiV4s0+TUbjXNQszcWHg3REfypNYu0GBK7PmK1tWZftMwf5hFBOydJ+zf8Aso/Cv9mXTL9/CUV/q/iPXJhceLPHnia6+2a34huP+et3dMNxA/ghTZBCvyRRxIAo4X/gnPo1541+E+o/tl+KrKZfEXx21FfFjfakYSWWhumzQ9Pw3KCHTvIZ0wv+kT3T7VaVq+iqACiiigDhPj3+zt8Hv2nPAjfD74xeDk1KyEgn0+8huHtr3S7kfcu7K6hZZrO4Tqk0LpIvZq8y+Bvxa+JvwR+Mtn+xb+0x4nuPEN1qenz3nwp+JV1arG/iiztgDPYX2xVjTVbZCHbYFW6g3ToitFcIn0RXkX7a/wAC/EHx5+AGpaL8PbmOz8ceH7iHxF8N9Uk/5cfENi3nWTnkfunkHkTLkK8E8yN8rtQB67Xx/wDF343/AB/0j4kfFjSvDXxq1KxjPxG8HeCPCdiNE06a28PJqUdjJdajHm1aSW5xdTbPtMktuGSH9z95X+iP2ePjToH7R3wG8G/HzwpbzW2n+MvDNjrNrZ3BPmWy3ECS+TJwCHQvsdSAVZWGBXmGp/sleLfHnxJ+MGm/ER7Kx8I+ONY0LXfCviTw14glXXNL1Wwt7WNHNtLZtbp5U1pFOjmWZJNzJLBs3bwDM/Z6/bI8E+CNR179n39qP9p3w3/wl3h/4lXPhLwrqXjDWtM0nVPGOLazuoWS2iW3imutl7FE620KIzKpVF3ba8T+BH7YvxR+Kfjy3+HZ/bavtU8UeOvD/iePxd4O0bQdES6+EeraeN8MUKGyeSJtpeMpqn2vz2RJYsR71b7K+AfwM8PfALwhc+GNK8S6x4gv9U1a41XxF4m8QtAb7Wb+bHmXU/2aKGBWIVFCQwxRKqKqIoFcGP2SNe8Daj4i+KXhr4p+KfiJ4qj8P6lYfD/Q/iX4ohh03QkuiryWqXVppzXOx3jhVri6F9cIkQVDjcrAHefsz+LvEXj39nTwH468Y6o19q2teDtNvtUvGhSPz7iW1jeR9iKqLlmLbVAX0Fd5XGfADwDrXwr+Bng34aeJJrWXUPDvhbT9OvprGRnheaG3jjcoXVWKblOCVU7ew6V2dABRRXjn7dXxb8bfCD9mnWdR+FNzDD418RXth4W8CTTw+YkGtardxafZ3Dp/HFDLcLcOuR+6hfletAHkHx48Fyf8FNvjVb/CDwr4j1zw58Nvgv42kn8VeO/DuoS2Ooa54gFjdWFxomm3KbXghit7+4ivLyI71d/s8LJKkzxel+M/jP8As4/sN6H4d/Zs+EXwovdQ12fT2fwf8I/hjocUl/cW6NtacqWit7ODfkNeXk0ELPkNKXbBh8e6j4Z/4Jz/ALFel+C/gt4SfWL7RbbT/DHw90G+unaXXtdvJ0tbRbmb5nYzXc3nXNwdzBTcTtnaxrq/2Yv2cbD4BeF7y817XZPEnjzxVPHqHxE8cXkIW517UNm3dj/ljbRDMVvbL8kEKqi87mYA42Px1/wU78Wr/aejfs4/B/whatzDY+JvidqGoX7L/wBNks9MWCB/9lJrhf8AbqrqX7Un7W/wUh/tb9p79jVLzw5Dlr7xZ8FPFEviX7BGBkzXOmXFnZ32wf3bNL1+h243bfo6igD5++IXwN+C37ZmgeHv2qv2bvirDofjSOx87wP8W/BrpIZoef8ARL1FITUrEuCstlP91gxTyJkWVOr/AGbf2lH+Oc3inwN408DSeEfHngTWv7O8YeE5b03SQLIGktL22uPKi+1WdzD+8im2J8yyxOqSwyovnPxm0xf2I/jbp/7TXw/h+x/D3x94rtdK+NHh+Hd9mtb+9lS1svEsEYGIpvtT29veMNqywzLcP81rue7+2BaL8EfjZ8Mf20tGzCtn4gs/AfxC2dLzQdau4rW1d+2bTVpLCZZCP3UMt991ZXagD6PooooAK8G/4KFeNfih4O+CGix/CL4o6n4L1jXviV4Y0KTxJoun2Fzd2tre6tb28/kpf29xb7zFI6hnhfbndtr3mvnX/gpZ/a9p8BdB8RaZ4O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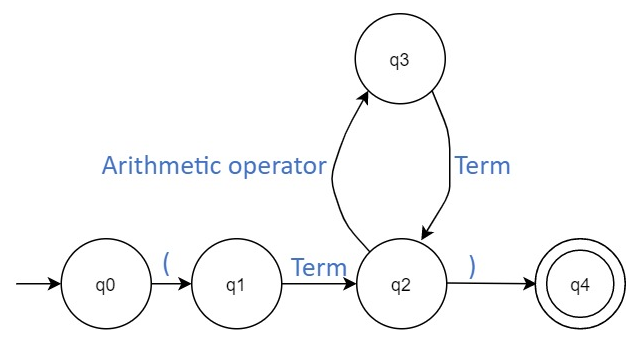
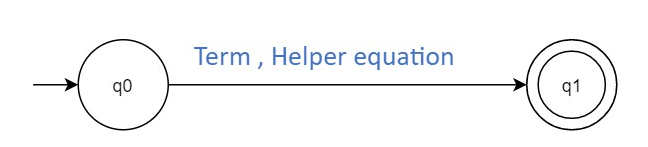
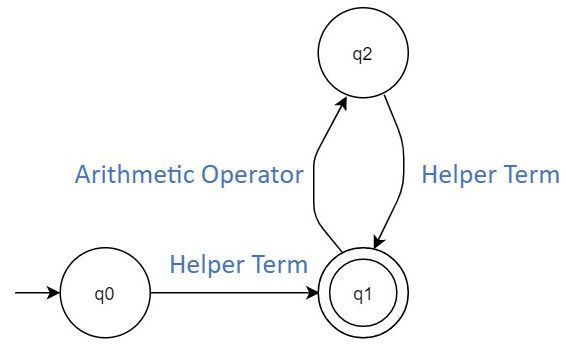
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6. Comment Statement:- **{** (/\*) **(**(a-z)\* | (number)\* | (operator)\***)**\* (\*/) **}**Diagram

   Description automatically generated
7. Function Call :- **{** ( (Identifier (, identifier)\* )? )**}   
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8. Term :- **{** (Function Call) | (number) | (Identifier) **}** **Diagram

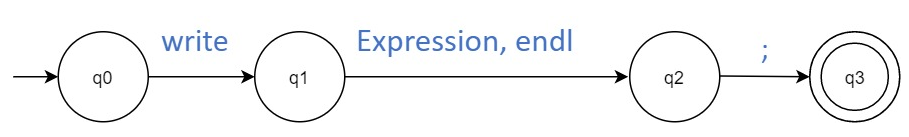
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9. Arithmetic Operator :- **{** + **|** - **|** \* **|** / **}  
    ![A picture containing text, clock, clipart

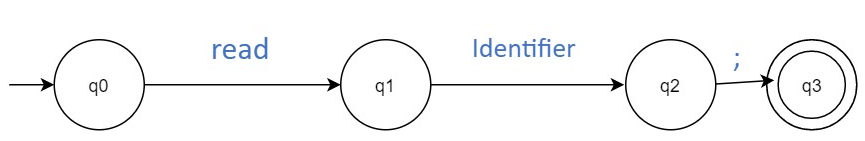
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10. Helper Equation:- **{** ( ( ) ((Term) **(**(Arithmetic Operator )( Term)**)\*** ) ( ) ) **}**
11. Helper Term:- **{**  Term|Helper Equation **}**
12. Equation :- **{ (** (Helper Term) **(**(Arithmetic Operator ) (Helper Term)**)\* }**
13. Expression:- **{** Equation | Term | Constant String **}**Graphical user interface, text, application

    Description automatically generated
14. Assignment Statement:- **{** (Identifier) (:=) (Expression) **}**A picture containing text, clock, device, gauge

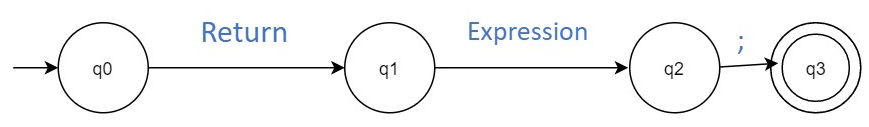
    Description automatically generated
15. Data Type :- **{** int | float | string **}**Graphical user interface, text, application

    Description automatically generated
16. Declaration Statement:- **{** (Data Type) ( Identifier **(** (:=) Expression**)**? ) **(** (,) identifier **(** (:=) Expression**)**? **)**\* (;( **}**Diagram

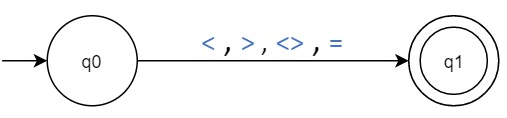
    Description automatically generated
17. Write Statement:- **{** (write) ((Expression)| (endl)) (;( **}**  
    
18. Read Statement:- **{** (read) (Identifier) (;( **}**



1. Return Statement:- **{** (Return) (Expression) (;( **}**



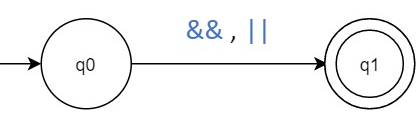
1. Condition Operator:- **{** (<( | (>( | (<>( | (=( **}**



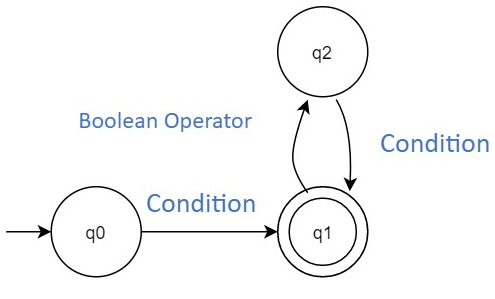
1. Condition:- **{** (Identifier) (condition Operator) (Term) **}**



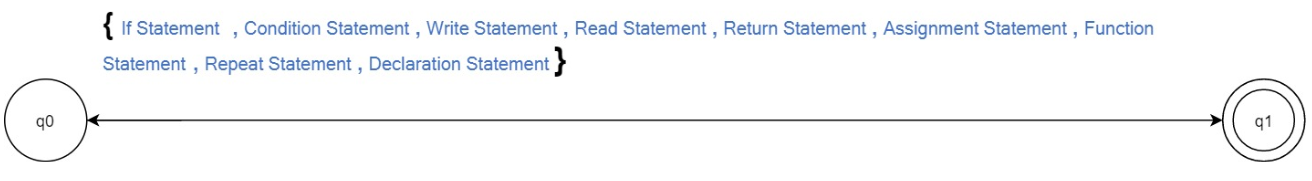
1. Boolean Operator:- **{** (&&( | (||( **}**

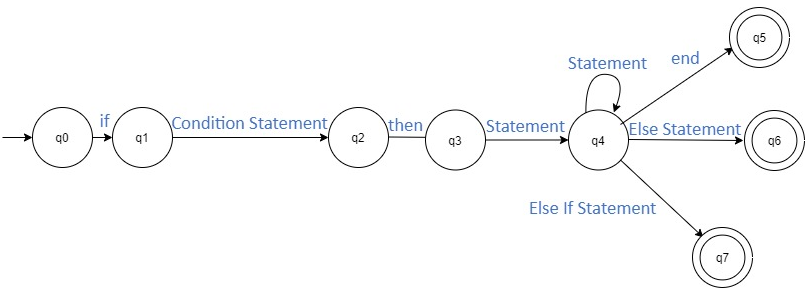
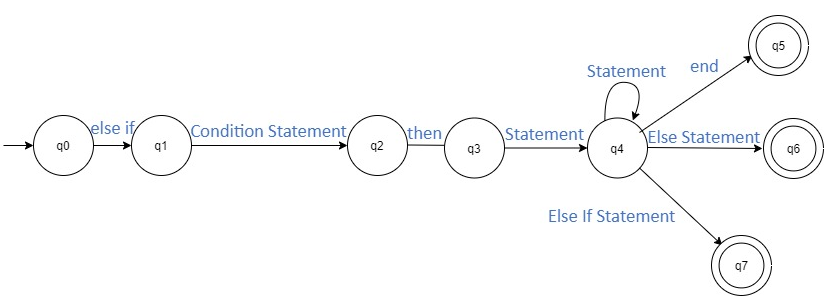


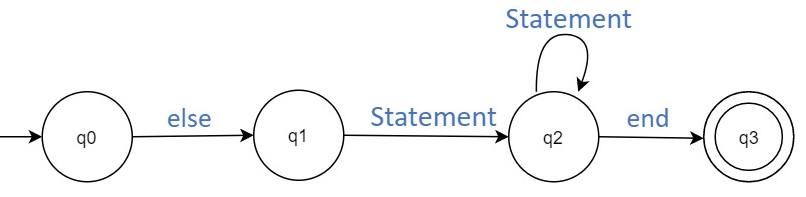
1. Condition Statement:- **{** (Condition) ((Boolean Operator)( condition))\* **}**



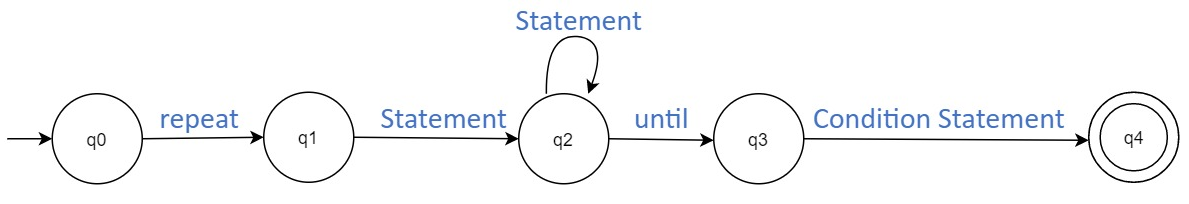
1. Statement:- **{** If Statement | Condition Statement | Write Statement | Read Statement   
   | Return Statement | Assignment Statement | Function Statement   
   | Repeat Statement | Declaration Statement **}**



1. If Statement:- **{** (if)(Condition Statement)(then)(Statement)˖ **(**(Else If Statement)| (Else Statement)| (end )**)** **}**
2. Else If Statement:- **{** (else if)(Condition Statement)(then)(Statement)˖  **(**(Else If Statement)| (Else Statement)| (end )**)** **}**
3. Else Statement:- **{** (else)(Statement)˖ (end ) **}**



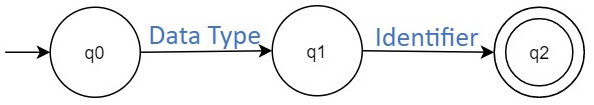
1. Repeat Statement:- **{** (repeat) (Statement)˖(until) (Condition Statement) **}**



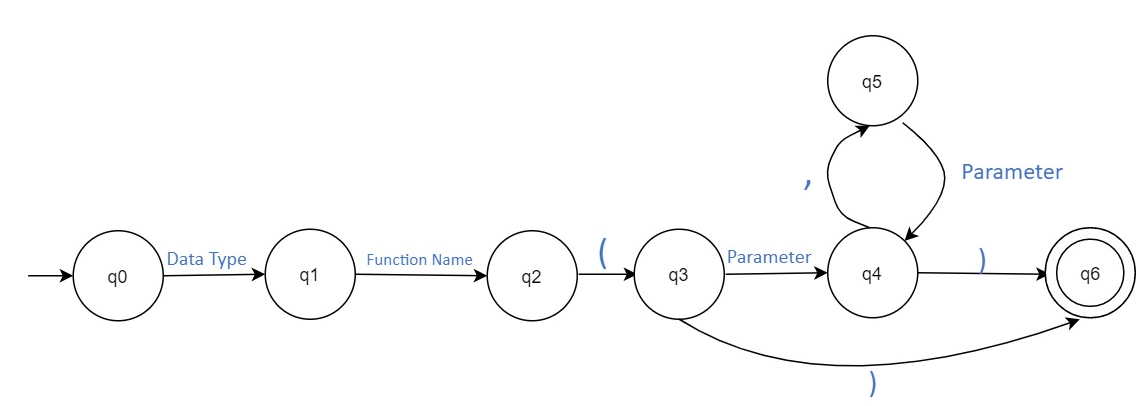
1. Function Name:- **{** (Identifier) **}**



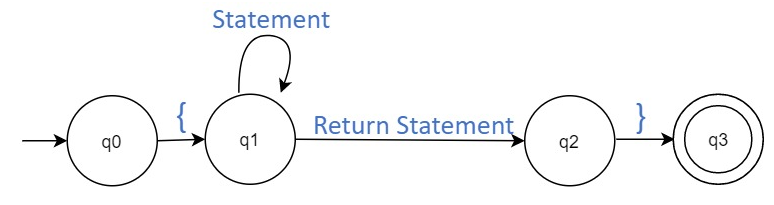
1. Parameter:- **{** (Data Type) (Identifier) **}**



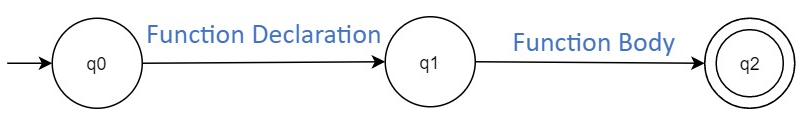
1. Function Declaration:- **{**(Data Type) (Function Name) (() )(Parameter) (, Parameter)\*(? ()) **}**



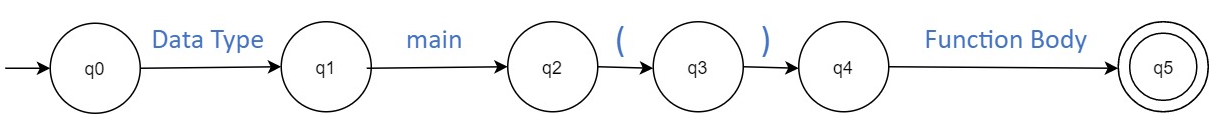
1. Function Body:- **{**({)(Statement)\* (Return Statement) (})**}**



1. Function Statement:- **{** (Function Declaration) (Function Body) **}**



1. Main Function:- **{** (Data Type) (main) (()) (Function Body) **}**



1. Program:- **{**(Function Statement)\* (Main Function)**}**

