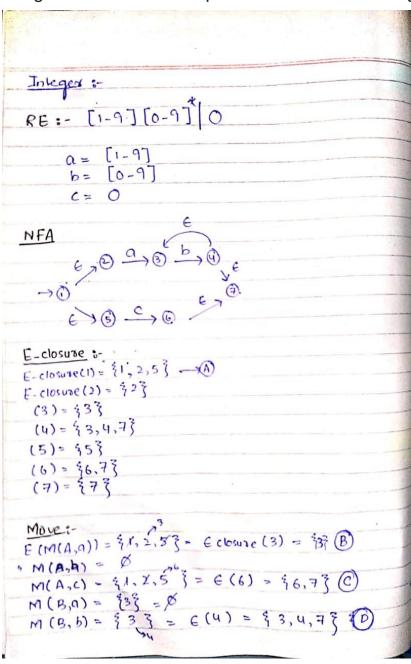
REGULAR EXPRESSIONS, NFA AND DFA's

Integers:

Integer Constant is a sequence of one or more digits.



$$M(C,q) = \{ \emptyset$$

$$(C,b) = \emptyset$$

$$(C,c) = \emptyset$$

$$M(D,q) = \{ \beta, \gamma, \beta \} = \emptyset$$

$$M(D,b) = \{ \beta, \gamma, \beta, \beta \} = E(4)$$

$$M(D,c) = \emptyset$$

$$DFA$$

$$DFA$$

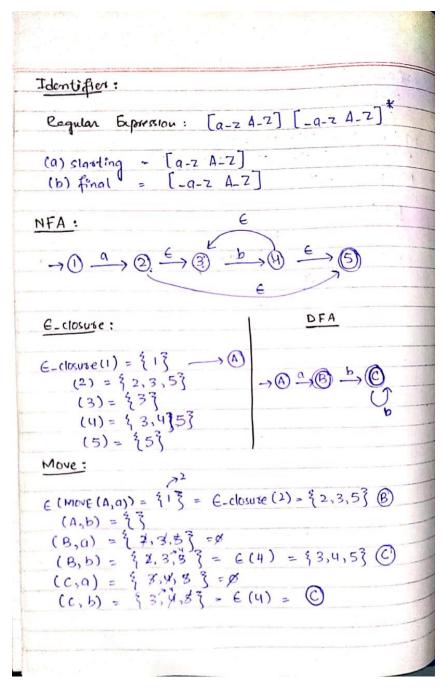
$$A$$

$$C C$$

Identifiers:

Identifier is any name given to the element in program, to a variable, function name or class name etc. The name can range from $0-9 \mid A-Z \mid a-z$.

Identifier must start from a letter.



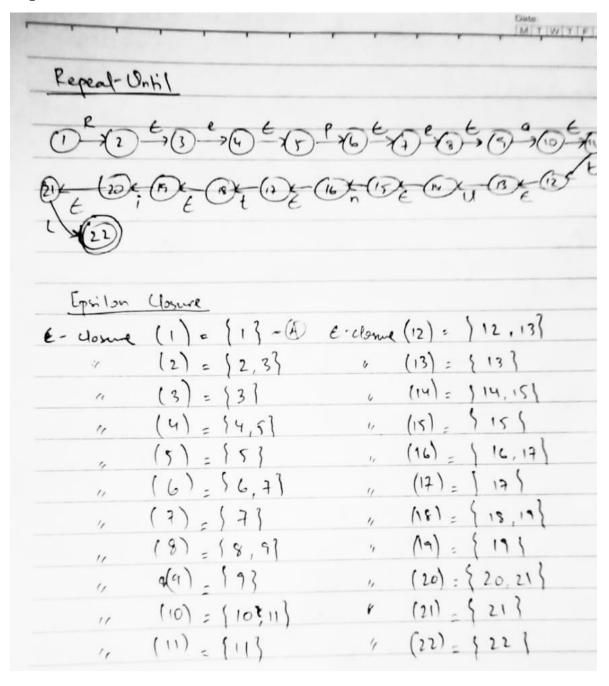
Strings:

String constant is a series of characters, digits, spaces, or escape sequences between ".

Keywords:

Pedestal includes keywords that best defines the concepts of code control flow. Hence, they are described in natural language (English only.)

RepeatUntil (For):



More More

E-closure (More (A, R)) = 6-closure (2) = {2,3} - B
" (More (B, e)) = " (4) = {4,5} - C
" (More (C, pl)) = " (6) = {6,7} - C
" (More (D, el)) = " (8) =
$${5,97} - E$$

" (More (E, a)) = " (10) = {10,11} - E
" (More (F, t)) = " (12) = {12,13} - G
" (More (G, U)) = " (14) = {14,15} - H
" (More (H, n)) = " (16) = {12,14} - D
" (More (F, t)) = " (15) = {12,14} - D
" (More (F, t)) = " (12) = {20,21} - E

Take (Input):

Show (Print):

		-	Date:
Show			
->(D-5)(2	E>3 4 (F)	O C E 7 (3)	(b)
Epislon U	(1) = 3 1 3 - E)	
4	(2) = (2.3)		
1	(3) = \ 3\	A IT	
	(4) = (\$644,5) (5)= \ 53		
	(6)=(3)		
4	(3)= (3)		1.36
(/	(8)= \ 82		The state of the s
Move		-	
E- closure	(move (A, S)) = E-U		
- 4	(more (B) =		Res. / fi
	(mu(c, 0))=	" (6) = (4)	5-6
	(move (0, w)) =	(8) = \ 8}9	Q-0
	a who or	w m	
_ \ A)-	3 8h C X	D	

IntegerContainer (int):

Integer Contriner	
	t of Oto 10
-0 0 6 5 + x	o to to to to
an at a at the	10 L (1) L (1)
+ 0 + 0 - 0 - 0 - 1	
	(1) × (1) × E
Epilon Clarue	(.) (.)
t-dorme (1) = {13 - A	E-dose (17) = 1 17,000
11 (2) = (2,3)	1/ (18) = { 18 \$,19}
(3) = 533	(19) = \ 19}
(4) = 54,53	(20) = \ 20,213
(5) = 153	$(1) = \{21\}$
(6) = { (,7 }	$(22)_{2} \{22,23\}$
(7) = 17	(23) = \ 23 }
(8) = 55, 4	1, (24) = (24,25)
(5) = 5 9 3	1/ (25)= [25]
(10) = 510,113	1/ (26)= [26,27]
(11) = (11)	1/ (27)= 273
(12) = (12,13)	(, (28)= } 28,29
(13) = \ 13}	4 (25)= 5 293
14) = 3 14 3,15}	1 (30)= 5 30,313
(15) = 115}8	1, (31)= 313
(16) = 112 3,17}	1, (32)= 1323

Mone			37
	(m(A,1))= E-	don	(2) = (2,3) - 9
	(m (B, n)) =	"	(43) = 4 4,5 } - (
	(m(c, t))=	1,	(L) = 16,73 - D
	(m(D,e))=		(8) = 18,91 - E
	(m(E, q))=		(10) = 10,113 - 5
	(m(f, e))=	4	(12) = \12,13} - 6
	(m(6, v))=	4	(14) = \14,157 - H
	(M (H, (1)=	7	(1c) = 1 1c, 17 - I
٦	(m(I, o))=	4	(15) = 5 18, 197 - 7
5	(M(J, n))=	4	(20) = \20,213 - K
5	(m(x +))=	5	(22) = \22,23\ - L
۲	(m (k, a))=	4	(24) = 124,251 - m
4	(m(bn, :))=	4	(26) = 1 26,273 - N
4	(mad m, -n)) =	ን	(28 = 28,292 -0
ን	(m (0, e))=		(30) = 1 30,311 - 0
7	(m(p, v))=		(32) = 327 - Q
			•

stringContainer (string):

String Contr		- - - i	ot of of
~(I) -5 (I)			8 70 10 6
E Cott	DE E BY DE W	6 BE 1	(Be 12 9 1)
(2) - 122 -	60 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	() () () () () () () () () ()	8-85-(b)
Epsilon (line		
t-done	(1)=113-B		(16) = {16,17}
4	(2) = { 2,3}		(7) = 117}
4	(3) = \ 3}		(18) = 518,197
4	(4) = 54,53		19) = 519}
4	(5)= (5)		20) = \ 20,21
5	(6)=56,23	4	(21) = 522)
4	(7)= 5 73	4	(22) = { 22, 23}
5	(8)= 98,93	4	(23) = 123?
4	(9)=195	4	(24) = (24,25)
5	(10) = \ 10,117	4	(25) - 125)
((11) - 5 115	٦	(26) = {26,27}
	(12)= \$12,133	4	(27) = (27)
4	(13) - { 13 }		(28) = 528,29?
	(14) = 517,15}		(29) - (29)
ч	(15) = 5 155	5	(30) - 1 303
4	(15) = 1 (5)		
			1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1

Move

Fridorice (mone (A, S)) = E-direct (2) =
$$\{2,3\} - B$$

* (m (B, +)) = " (4) = $\{4,5\} - C$

4 (m (C, V)) = " (8) = $\{5,5\} - C$

4 (m (D, 1)) = " (8) = $\{5,5\} - C$

5 (m (E, n)) = " (10) = $\{10,11\} - G$

6 (m (G, C)) = " (14) = $\{14,15\} - G$

7 (m (T, n)) = " (18) = $\{18,13\} - G$

7 (m (T, n)) = " (20) = $\{20,21\} - G$

8 (m (X, 9)) = " (21) = $\{22,23\} - G$

9 (m (M, n)) = " (26) = $\{22,23\} - G$

9 (m (M, n)) = " (28) = $\{22,23\} - G$

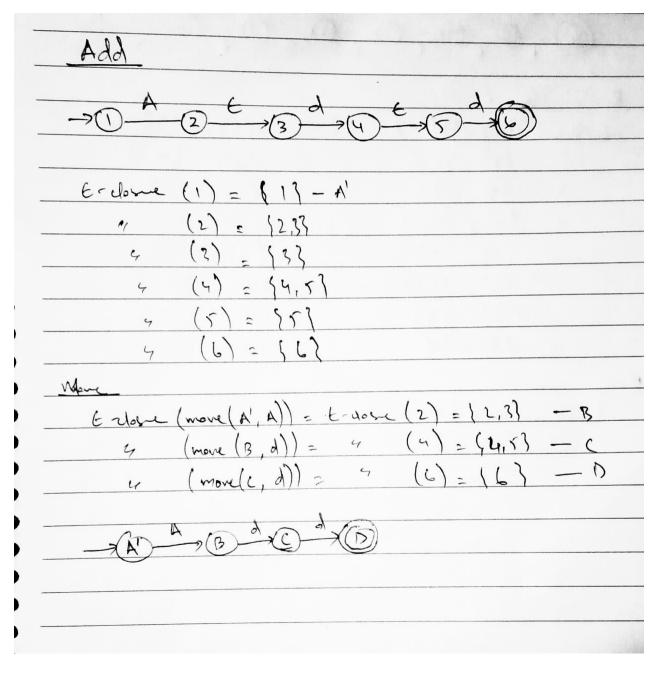
9 (m (N, C)) = " (28) = $\{22,23\} - G$

Update (*i*++):

	Date: MTWTFSS
update	
7 (1) - (1)	(10) (3) (8) (9)
Episton Clare	
E-close (1) = 113 - A	E stone (7) = (7)
" (2)= [2,3]	4 (8): (8,93
4 (3) = (3)	٥ (٦) = ١٩٦
9 (4)= {4, 5}	4 (10) = \$10,113
5 (5)=153	5 (11) 2 5115
aller sta	4 (12) = (12)
(c) = 16,7}	-
Mere	1 , 1)
E-dosure (more (A, 4)) =	t-der (2) = 12,31 - 8
(more (B, P)) =	4 (4) = 84,58 - C
4 (move (c, d) =	4 (b) = 56,7 - D
4 (mar(D, 9))=	4 (8) = {8,9} - E
5 (move (6, t)) = 5 (move (f, e)) =	4 (10) = \$10,11] - f
5 (move(f, e) =	, (12) = (12,7 - C)
0	
-(A) B P C d D-	9 + + + + + + + + + + + + + + + + + + +
*	
	URI

Keywords:

add (+):



Operators:

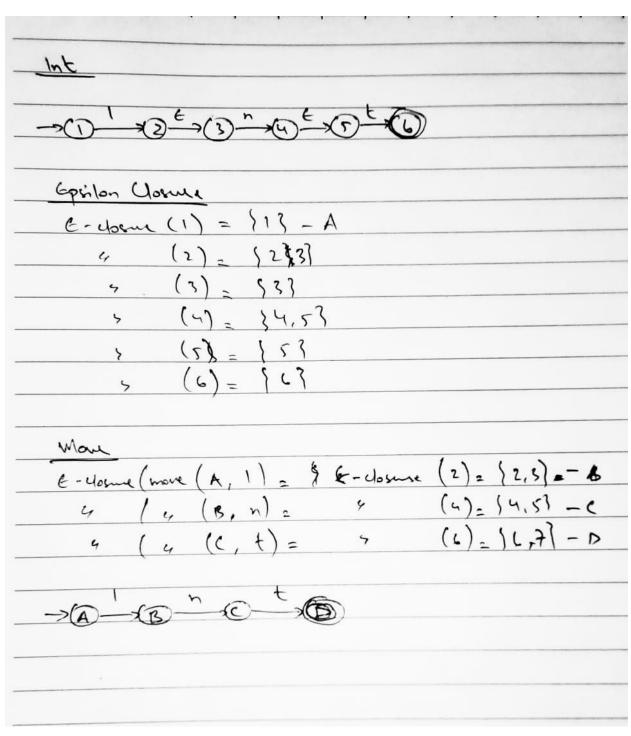
Or (/):

Okv	33
-> (1) -> (2) -> (3) P	
Epsilon Clarre	
€-close (1) = 113 - A	
4 (2) = 42,33	
4 (3) = 537	
5 (4) = 143	
Mone	
E- where (more (A, O)) = E-was	me (2)= \2,3} -
t- were (more (A, O)) = t-wes	(u)= 443 -
0 0 V	
$\rightarrow (A) \xrightarrow{O} (B) \xrightarrow{V} (C)$	

Angel	
	1
->() A 2 E > (3) ->(7) E > (7)	(6)
- Epislon Closy	
E-closue (1) = (13 - A'	
4 (2) = {2,3}	
4 (3) = (3)	
5 (4) = 14,53	
6 (2) = (2)	
3 (6) = 161	
Mone	
E-close (more (A', A)) = \$ &- close	
4 (1, B, n) = 4	(4)= (4,5) -
(4((, d)) = 4	(c)= (c) -
->(A) - >(B) -> (D)	
->(A)>(B)->(C)->(D)	

Data types:

int:



char:

float:

E-closure (1) = $ 1 ^2 - A$	Epsilon		DE DE DE
(3) = 3 $(4) = 4,5 $ $(4) = 4,5 $ $(4) = 5 ,5 $ $(5) = 5 $ $(6) = 5 $ $(7) = 5 $ $(8) = 5,5 $ $(9) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $ $(10) = 5 $			
S (r) = (r) 4 (10) = (10) More E-close (more (A, F) = E-close (2) = (2,1) - 8 4 (more (B, 1) = 4 (1) = [4,5] - 6 4 (more (C, 0) = 4 (6) = [6,7] - 0 5 (more (D, 9) = 4 (6) = [8,1] - E 4 (more (E, t) = 4 (10) = [10] - F	ι,	(3)= 3]	1 (8) = \ 5.73
Move E -close (move $(A, F) = E$ -close $(2) = (2, 2) - 8$ 4 (move $(B, C) = 4 (1) = [4, 5] - C$ 4 (move $(C, O) = 4 (6) = [6, 7] - D$ 5 (move $(D, Q) = 4 (6) = [8, 1] - E$ 4 (move $(E, E) = 4 (D) = [9, 1] - E$	<u> </u>	(r) = {r, r}	
4 (mon(8, 1) = 4 (4) = 14, 5} - (4 (mon(6, 0) = 4 (6) = 56, 7} - 0 4 (mon(0, 9) = 4 (6) = 18, 1} - 6 4 (mon(6, t) = 4 (10) = 103 - 6	Word		() () - 0
4 (mon((, 0) = 4 (6) = (6, 7) - 0 4 (mon((), 9) = 4 (6) = (8, 1) - E 4 (mon((6, t) = 4 (10) = 1/03 - F	E-Jour	(move (A, F) =	6- Jan (2) = 62,51 - 8
4 (mond(D, q) = 4 (e) = 18, 11 - E 4 (mond(E, t) = 4 (10) = 1/03 - F	4	(mu((, 0)=	4 (6) = 56,73 - 0
	5	(mon (D, 9) =	1 (6) = (8, 1) - 6
A-10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0			
	T FE		@ _