

International University of Business Agriculture and Technology

Mid Term Assignment

Course Code: CSC-461

Submitted To:

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Submitted By:

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Program: BCSE

Section: G

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Ans: to the Ques: NO: 01

else ((1) + 0) k- 1 = 0 15 16

$$2 + \alpha + 1 > 1 \rightarrow 2 + \alpha > 0 \rightarrow \alpha > 0$$

The weakest precondition is { a > 1/2}

else (((()+() x 5) + () =)

3 * 22000 Mistron

:. x < 0

The weakenst precondition is \$x <0 4

Ans: to the Sais NO: OL

String: c = B * (c * (A+B)) sala

GITCAMMATC:

Lanign> > Lid> = L'expres

Zid> <-> (A COIC< I <I + D FO

Lexpres -> cexpres + 2 terms / 2 terms

Leteron> > Leren > * Location> (Lefactors

4 (Lexpres) (Lid>

Input string Action Stack

C=0+(C*(A+0)) \$

=BA(CA(AtB))9 Shift c

& Lid>

=B*(C*(A+B))9 2id>>>c

Stark Input Storing 9 Ltactors = 13 x (CX (AtB)) & 2tactor>>>2id> 9 Lterm> = B * (c* (A+18)) & Cterm> > Chaders 9 Lexpris = B* (C*(A+B)) 4 Lexpris -> Eterms = B * (C * (A+O)) 4 Lid> => <expri> 5 threa cidy com 4 Lids - 3 + (C+ (AtO)) & SNift = 9 4112 =B (C*(A+B)) & seift B * (C * (A+B)) 9 Cid> > B 4 < id> = < id> 9 (1) = <factor> 4 (Cx (A+B))9<factor> > (1) 4 (14) = 2 term) + (ex (Atro)) + ctarin) > dutos \$ Zid> = Lexpr> A (CA(A+10)) & Lexpre> > 2 Learn) 9 Lie> = Cexprox (cx(AtB)) 9 Shift米 stilt C 4 412>= Lexpr *(C* (A+13) \$ \$ Lid> = Lexpr) \$ (A+0)) \$ swift c \$ (A+B)) \$ (Xid> * (A+B)) \$ 212576

4 Zid> = Zexpre> * (< factor) * (A+13) A < factor) > (i) \$xid> = Zexpn> + (+terms * (++0)) = Zterm> > <tactors \$ Lid>: <expn>+ (xexpn> + (A+10)) (expn> > Acton) (A+B)) (A+B)) Cerpres > South & { Lid> = Lexprox(xexproxx) \$ Lib> = Zexpn> + (Zexpn> * (A+B)) swift (+13)9 SWIT A & Lid> = Lexpro> A (Lexpro> A(A \$ < 1 d> = < expr > \$ (expr > x (id> + rb) \$ (id> -> A 9/11/= Lexpr> * (* Kexpr) * (factor) + Cfactor) + Cfactor) >CD) Xid> = (RXPT) + (KCXPT) *(+13) \$ (12) = Lexpr) & (Lexpr) & (expr) + (B) KEXpr) > (tray) Lexpn> * (cexpn> * (cexpn> + 13)\$ smift + 9 Lid> = Zexpn> *(Kexpn> x (Kexpn>+B) & Shift B g Lid> = Lexprox (Cexprox & Ceard + Lid> ALIDS -20

Stack Input String Action \$ LId> = Cexpn> *(Cexpn>xp) \$ < trom> > <id> (<expn>+ < funton> I ans (i)) & Ltarm> > (factor) 4 Lib = Lexprish (Cexprish) & Lexpro>>Ltens 4 CLEXPRY LEXPRY seift) \$ (12): < expr.> * (expr.) * (expris) Accept 2: 1) for I aprile, want propriet (Just () besicologia or declared from case will Johns (it be unformed Man land from Elm 1 iii) (iib 3 be noterunced.

Ans: to the Ques: NO: 03

() 1 / () + () 1 / () +

- x decletared from Sub 1 will i) sub1 be referenced
- x declared from Buss will be referenced (11402) KONYON - (617 P
- 'x declared from, muin will iii) sul 3 be-referenced

(212 - (p) (1120 7) 4.

- x declared from subs will be i) 9ub 1 referenced
- x declared from Sub1 will ii) sub L be referenced
- x declared from SUBI will iii) Sub 3 be referenced.

Ass; to the Ques: NO: 04

Output: 20

Explanation: In this program the int main() function & in it the printfl) function the logic is C = x+9(x). x is a global variable of the value is 10.

So, C= 10+9()

Now, in the ger) function x has been declared as 20. But It has a ruturn function of (). And of () tweltion returns global variables 21. So the value. of g() in 10. 90, e= 10+10 = 20