if-else ussignment 1-1014. Question 1: int num= 20: 12 (Unw> 50) & brint (" Unw is docutor than 50"): ERIATE ("num:). of (", num); Op: - NUM: 20. Reason -> the IF condition augs num greter (>) than = 20 not equal to , if this was rondition thon it monly enter FHS It Plack put bougition is num>20 & num is 20, so it akip the if block & paints the line below it. 5) jut a = 10, p = 50; 18 ((all 10++) LL (al+11 ++10)) &. Printe ("a: Vdw", a); baintt (, 12: N. 9/2, 17) bosutt (, ont of ! E.,)! 012: 0: 11 b: 21 001 06 14. 15 [36] Rouson: - Dalb b++ fembla so 10 64 20 = 1 od Is (2) OA++ 11 ++ 12. 16mb 10 10 In if the condition is tout (1) as 1 641=7 so it will enter if block & execute it In it block the value of a will be [1] so above mentioned and as the a is toug it will not check & because 111 oft =1 SO ONS is is a: 11 b: 21 anything

(3)3NA 11 C = 15, OIC = 25; ir (olc > ilc) 9 Paint & ("olc: 1. Ed/n", olc]; i F (IIC ZOIC); 3 bajutt (, !/c: , 49/6, 1/6)! PRINT E ("Olc: V.d/n", otc); \$ ans: 61c: 25 ilc: 15 010:25 110:15 Reason: @ 1st if block has condition tout go it will get excuted. and if block is also take condition but it will get binded with i' (Noll statement (NUII statement) if Circ Lol C) E semicolon PF ("ilc: 7. dln", ilc) a bool val = false, vas = tour. | if (val) PF --if (val); 3 point ("toupin); 12 (000)31 painte (" talan"); false. I not then pasos. ans: 15-BOOL -> should be used 6 = val -> 0 instead of falso.

13 var -> 1 instead of talso. Scanned with CamScanner

Floud x = 5.2, 4 = 10.51 16 (DC == 2. 57 8. 16 (4== 10.5); 3 PSINFF(" 4: 7.01 10", 4); ans: will give marning for 7-d as it is float not whoses . # 12+ it plack gobst det executed and if has not statement but y value & gusbuge value segon: if block accept only .5 values not goeter not lesser only . s eg s.1,1.5, 2.5,3.5, etc. .. 6) int subval = 15; 15 (506Va) ++ 6 6 SUBVal--75 PF("subval: ", d(n", subval); if (subVal - - 11 + + sub Valiz PF ("SUBVal! " d \n", subVal) is (subla! > subla!), 3 pf ("subval: "-dla", subval dns: SubVal:15 gub Val: 14 SUBVAL: 14 Reasor. 14 if block = subval + + & a subval de de 16 15 90b W 16 4 pmp (x) 15 90b 15 15 temp [16

at got 2nd if block. subval -- 11 ++ subval 15 11 boost executed heoz or got true ist temb & J binded. 3 od if block. subval > subvali paintf("subval: "d" SUB- 14 = 14 1) int moight = 20; IE (meight 5077 meight > 30) & bt (, don's are ruges meilty , is (meight) = 5066 meigh <=70) &. 3 10 (weight >70); 3 PI (" work hard"); ans: you are well maintained. An are on6+meidn+ Ann Mans to mosk pared B. () int year = 2000. 18 (A 601 & - 10 == 0 pr A 601 & 1- 100 == 0 (1 A 600 1- 100 0 ==0){ briutt (, . , of hars is took Aborr (u,); ans: In above code there is no year in pr. The bec, wy day is seab dear (u), hear) go the value is gasbuge but 7111 gassume that there is so the value is 2000 is leap year

Reuseon: Et in if block the. condition is, (year). 4=0 la year / 100! = 611 year 1. 400-0 11 20 Ctoup) O (4206) 20 Colouised Does not execute as (tove) of check if there is false fiost. 90 to 18 block is \$ (+ &UE) & executes it. REBRUE R D. ars: 10 15 1205171UE -s is negative num be is 2000 Reason: 15+ 18 block. D. 12 (unupes 1 = 0 & r unupes 701 66 toup. 18UP. ist if block is expecuted. B. 2nd if block. 10 10 (number 20) 1 1 Hour. -> A> wast -nuber. was Intellized to -6 2rd it block is pxpcuted. (m) if (numbers = = 0) -> number mas initialism 40

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3 C (numbe > 1. 4 ==0) 16 nampes mas jultialises Folse -> 10 15 A 157.4=0 3+ TE Block is not executed (01 1 Int DNUM = 0; chas a Chast is (!a Num) & bt ("Insign tiest It - ru")" anum # = 20; achas = "T"; -15 (anom). 42 =0)8. 10 PF(" Inside second if. . In"); a Num== 70; achus = "F", 7 -2 12 (a Nom = 0/3 pr (" Inside Third if ... \n); -5 alhur = "7"; -5 -5 PRINTE (" PETE all 16, Nalve use, V. of 4 %, anom, achar) -3 19. 3 1st if block: Date our ans ia Num lose REUSON: is true 90 19t block to executed. 2rd if block. (a Num 1/4 1=0)=(0 1=0)=1 False not executed.

ray It Plack akum = = 0. =) 20 == 0 => false. Not executed. so answer is AFABY all It, whose so & T 10 old: Eutos 4mo nampos. 55 66 55 (66. Enter two number 55 55 55 = 55 Enter two number. 55 2 55 > 2. Reason: Using input fun i.e scanf D) 0150 is divisippe phs 120 is divisible 1243 110 is divisible by 5. Reason: 120 is divisible by 2 soil entos inside 2nd if bolock i.e (numi.3=0) 120 is also divisible by 3,80 furture it entor 11 to 3 ad if block (num 7.15 = 0). 120 is also divisible by 5 @ 30 is divisible by 2 30 is divisible by 3 30 is divisible by 5 Reason: - Above reason allys apply's hove 100 ... 15 th 12 divisiple phys Reason: 76 is divisible by 2 but not by 3 50. it enter into (num-1.2==0) Scanned with CamScanner

1 F block, expectes if moves totale to numy. 3==00, but it is not at valid condition, 90 it goes into else block. 3 36 is divisible by 2 36 is divisible by 36 is not divisible by s Reasones enter into 1st it block, conditionis valid, oxecutes 1t, moves to (num1.3==0) is walled condition executes it, move to (num-1. 5 == 0), not uculid condition goes P150 13) ans: Florat 11,12, n3. PAIN+ F("EN+08 N1, 12, N3: /"). scanf (" y. f y. f y. f, Am 1 fn2, 6 n3); Reason: Using scant we can store the address a paint with point the content of that a that oress 19) ans: int num; Paint & ("Enter number: (m"); scanf ("y.d", & num); 1 + (num = 25 64 num <= 56). { PICTIL is number 25 to 50 km, num Else & bt ("/. of not sanges toom is tosolving

15) Churc PSIME ("Entor a capital alphabet: In"); -1 E sunf (" " L", & Wi 18 ((== 'A' | C== E | 11 C== 'I' | C == 01 C== 'U' \3 PECUILORS NOMBITU, CI else? PF (" Y.C 15 anat a wowelln", (); 16) ars: - chura ch : " PI(" Entes: 11); scancl"y. Eilchi 15 (Ch >= 1 A1 LL Ch Z= 121)9. bt (" n bbox case / L")! Plaif & ch > = 'a' Lb ch <= 121) { PFG"LOWER case In"); else 3 paintf ("special chusades In") acs: 18 (n1 H) int ni, n & 1 m3.; be (" Euges W1 ' U5 ' U3 / U,) S&C' 7. d 1. d 7. d. kn1 , kn2 , dn3) 18 (U1 >= N5 rp U1 7= U3) 3 it (U1 2.51 = 0) PF (" oad").

" + (n2 >= n1 & 4 n2 >= n3) 8. 1F (n2 1/21=0) 3. bajutt (" ogg.) 16 (n3) = n1 14 n3->= n2)3. if (n37-21=0) { pof (" odd"). 7 0/b:- DENTER N1, N2, 123: Largest number is 3 6 3 is odd @ EMB3 N1, N5 1 U3; 20 21 Largest number is 21 d 21 des odd. 7

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