

LABORATORY WORK BOOK

Name of the Student: HZMAKAR C									Roll Number								
Class CSE - B Semester									Holl Number								
Cou	ırse Cod	e:ACZCO9 Course	Nan	ne :. S	RAT LA	Realpead	2	١	9	5	A	0	5	6	5		
Nar	ne of the	Course Faculty	Su	resl	n Bab	u	• • • • • • • • • • • • • • • • • • • •			Facu	ty ID	TA	RE	10	996		
Exe	rcise Nu	mber :		.Week	Number :.	01				Date	4	1.	113	4			
S. No.		EXERCISE NAME						S AWARDED									
			Aim/ Preparation		Algorithm	Source Code Calculations and Graphs			Program Execution Results and Error			Viva -	To	Total			
					Performano			1000	Analysis			Voce					
			4		4		4		+	4		-	4	2	20		
1	7.7	Different range of values & testcase (do while)	4			4	F			4			4	7	2		
2	1.2	Different range of values flestrate (while)		`	*	,											
3	1.3	Different range of values (if - else)							In				7	R			
4	7.4	Different range of values of jestion															
5								9.									
6																	
7									call (11		A K					
8	6					.2.								v			
9																	
10			•														
11																	
12																	

Signature of the Student

Signature of the Faculty

START WRITING FROM HERE

```
1.1 Different range of values and test cases (do while)
  analyse the working of do while with different
  range of values and test cases.
                             Y BANDYCH ...
  Program: (
    do#include <stdio.h>
      int main()
     { int ij
           scanf ("%d", $i);
           do
             Print ("%d/n", i); if (i > 0) {
             1--;} else { i++;}
            while (i != 0);
                                   VALUE AND HO.
  Test case 1: Positive Range
                                  chant branches
    5 -> Input
                                  Englandiani 200
        - Out Put
                                     SALKSTONES STAN
   Test casez: Negative Range
   -5 -> Input
   -5
   - 4
         OutPut
   - 3
```

```
10 Different range of values of test cases (while)
  Analyze the working of while with different
  vange of values and test cases.
  bedram: bathon
      i = int(input(s))
                                       1 - 1 - 1 - V
      while i != 0;
                                       A Talertar Tav
          Print (i)
          if 1 % 2 == 0:
                                      Sud-warre i.e.
            Point ('Even number')
         else:
            Print ('odd number')
          if i < 0:
                                        STREET LETT
           1 += 1
          else:
               1-= 1
   Test case 1: Positive Range
   5 -> Input
  output:
   odd number
   4
   Even number
   odd number
   2
   Even number
   1
   odd number
```

Test case 2: Negative Range Disputation of the second seco and the last last toward to spread -5 OUTPUL: -5 ((1) for 1 of) for 2 of odd number -4 in the minus Even number Tir fairt -3odd number Children and I'l Iniside -2Even number -1 Odd number Strate with the Barrya Lod

KIND STORY COLOR

gariero e está

and the said

and description for the second

1.3 Different range of values + test cases (if else) analyse the working of it less with different range of values, and test cases, he was beodram: bathon for rather T i = int(input(Enter Integer: :(0 < i) 7i Print (Positive Number) elif i < 0: Print ("Negative Number) INTROPELSENGUE of MINOTHIBLES O') THINK Print ("Neither positive nor negative.") Scant ("160" + C) Test case I: Positive value Prints ("External c satur") Firita Sconf ("Pod Pod") faitb); output: (5) Hothare Positive number Test case 2: Negative value INDUFFER 348 + PS.) STAIRED 5, D. SEDD (HE god output: Negative Number (1) Haird 19, 19500 Mond TRPUE: O (166 - 65") HAVE DOGON OUTPUT: Neither Positive nor negative. detault: print & (" Entered brooms choice VI) MERSON

```
1.4 Different range of values of test cases (switch)
  analyze the working of switch with different
  range of values and test cases.
      brotram: (
                                  The order of the
      #include <Stdio.h>
      int main()
                             :(0 < i) %i
      3
           int a, b; existing evities? ) tiris?
           char c;
                            20 × i 81/5
           Printf ("Enter choice (n'))
           Printe ("a.Additionin b. subtractionin
           C. Multiplication (n. d. Division In");
 nelative .
           Scant ("% (") & c);
           beinte (, Enter 5 intedeas: ,)
           Scanf (" 8d %d", fa, fb);
           switch (c)
                               POSITIVE NUMBER
           ٤
                  TEST couse 2: Megative value
             case 'a' : print ( "%d + %d = %d In )
                    preak;
                                     a, b, (a+b));
            case 'b': Printf("bd = %d = %d/n", a, b, (a-b));
                    break;
                           TEST CASE 3: Neither
       case 'c': Printf ("%d x %d = %d\n", a,b, (a*b));
                  preak;
           Case 'd': Printf("%d/%d = %d\n", a, b, (a/b));
           default: printf(" Entered wrong choice In")
                 preak
```

Test case 1: single character Input: 14 16 Him . KOT TO GATHEORS WHE DEVILORA Enter choice in last bern similar to serns a-Addition b-Subtraction c-Multiplication autor restarion time = a 10 < 1 1 d. Division :(1+11 V) 38400 HI I 504 0 Enter 2 Integers: 25 (165 ming OUTPUT: 13219 25 + 65 = 901) agreet of 1 tot Print (3) Test case 2: Integer value TEST (ase I: Positive Range Input: Enter choice Enter value: 5 a. Addition b- Subtraction C. Multiplication d. Division 5 Enter 2 Integers: 65 25 TESE COSE 2: NEGATIVE ROYRE OUtput: Entered wrong choice Enter value; -5

7140

```
1.4.1 Different range of values of test cases (for)
    Analyze the woodling of for with different
    range of values and test cases.
                                     Sollible . no
     Programs Puthon
                                  noltons time .d
        n = Int(mput('Enter value: 1)) os ilqiilum.
                                    existativist. A
        if n > 0:
          for i in range (1) n+1):
               Enter 2 Interpress. of (1) 4mog
        else:
           for 5 in range (n, o, -1):
               Test case 2: Integer value Juing
    Test case I: Positive Range
    Input:
                                 Enter choice
      Enter value: 5
                                    dollibba . n
    output:
                                 most of the and
       I
       2
                               COFFEE OF FREE CO HOOM
       3
                                    moisivia .b.
       4
       5
                        B 128989702 C 89503
   Test case 2: Negative Range
    Input:
      Enter value: -5 301010 Brooks bereford
    OUTPUT:
       -5
       -2
       -1
```