

Dr. Bhimrao Ambedkar Polytechnic College, Gwalior

Department of Compter Science and Engineering

Subject Name - Data Structure (CS-304)

Roll Number :

Name :

S. No.	Name of the Practical	Date of Experiment	Teacher's Signature
1	WAP to print this on screen- a) HELLO WORLD b) Name - Your_Name c) ***** College- Your_College *Your_Name* *****		
2	WAP which takes two inputs a and b and prints c ? a)c= a%b ? , b) where c= a+b? c) c= a/b ? , d) where c = (a+b)2?		
3	WAP which takes side of square as a input and prints it's area?		
4	WAP which takes a no from user and prints whether it is negative or positive?		
5	WAP to which takes gender as a char input and prints male for ('m'or'M')and female for ('f'or'F') ?		
6	WAP which takes salary as a input and increments it according to these conditions - a) for 0<sal<= 10000 increment will ll be 20% b) for 10000<sal increment will be 10%		
7	WAP which takes a no from user and prints weather it is of 2 digit or more then two digit?		
8	Do the same program for negative no.		
9	WAP which takes salary as a input and increments it according to these conditions - a) for 0<sal<= 10000 increment will ll be 20% b) for 10000<sal <= 20000 increment will be 15% c) for 20000<sal increment will be 20%		
10	WAP which takes three sides of a triangle as a input and print - a) Weather it is a valid triangle or not? b) weather it is right angle triangle or not?		
11	WAP which takes a no. from user and prints the no. of digit ? (first do it for positive no.'s then for negative no.'s)?		
12	WAP to swap the values of two variables using - a) two variables ? b) three variable?		

Dr. Bhimrao Ambedkar Polytechnic College, Gwalior

Department of Computer Science and Engineering

Subject Name - **Data Structure (CS-304)**

Roll Number :

Name :

13	WAP which takes a no. from user and convert it to – a) binary to decimal b) octal to decimal c) hexadecimal to decimal d) decimal to binary e) decimal to octal f) decimal to hexadecimal		
14	WAP which takes age from user and prints according to following condition – a) if age <18 then print "you are not adult" b) if 18<=age <21 then print "you are adult but not eligible for marriage" c) if age >=21 then print "you are adult and eligible for marriage"		
15	WAP which takes gender and age from user and prints according to following condition – a) if male and age <18 then print "you are not adult" b) if male and 18<=age <21 then print "you are adult but not eligible for marriage" c) if male and age >=21 then print "you are adult and eligible for marriage" d) if female and age <18 then print "you are not adult" e) if female and age >=18 then print "you are adult and eligible for marriage"		
	ASCII Value		
16	WAP which takes a no fro user and prints the character which has the same ascii value ?		
17	WAP which takes a character from user and prints the ascii value ?		
18	WAP which takes a character from user and change its case('a' to 'A'or 'A' to 'a') ?		
19	WAP which takes two no. from user and takes one character (one of these – '+','-', '*', '/') then calculate the result ?		
	LOOPS		
20	WAP which prints numbers from 1 to 25?		
21	WAP which takes two numbers from user and prints the number between them?		
22	WAP which takes two numbers from user and prints all even numbers between them?		
23	WAP which all characters who has ascii value from -128 to 127?		
24	WAP which takes a no from user and prints prime or not prime?		

Dr. Bhimrao Ambedkar Polytechnic College, Gwalior

Department of Computer Science and Engineering

Subject Name - Data Structure (CS-304)

Roll Number :

Name :

25	WAP which takes a no from user and stores it in to n and prints following series - a) 1,2,4,7,11,16,22,29..... n times b) 5,15,45,135,405,1215,..... n times c) 5,8,11,14,17,20,23,26,..... n times d) 0,1,1,2,3,5,8,13,22,35,57,..... n times		
26	WAP which takes a no. from user and print their factors ?		
27	WAP which takes two no from user and prints their greatest common divisor and L.C.M.?		
28	WAP which takes three numbers from user and stores it in three variable a,d,n respectively then prints A.P.?(eg.- if a=2,d=3,n=8 then A.P. will be - 2,5,8,11,14,17,20,23)		
29	WAP which takes three numbers from user and stores it in three variable a,r,n respectively then prints A.P.?(eg.- if a=2,d=3,n=8 then A.P. will be - 2,6,18,54,162,486,1458,4374)		
30	WAP which takes a no from user and prints the no. of digit ?		
31	WAP which takes a no from user and prints the reversed no and also stores the reversed no in to another variable?		
32	WAP which takes no from user and stores it in to n then prints following patterns where n is no of lines -		
33	a) hello hello hello hello b) * * * * c) ***** ***** ***** ***** d) * ** *** **** e) * ** *** **** f) * *** ***** *** *		

Dr. Bhimrao Ambedkar Polytechnic College, Gwalior

Department of Computer Science and Engineering

Subject Name - **Data Structure (CS-304)**

Roll Number :

Name :

34	g) * *** ***** *****	h) ***** ***** *** *	i) 1 23 456 78910		
35	j) 1 12 123 1234	j) 1 12 123 1234	k) 1 121 12321 1234321		
		m) 1 (pascale 1 1 triangle) 1 2 1 1 3 3 1			