

Computer Programming

Lab - 05

Loops & Functions(void,argumented,return type)

Objective : To understand do-while loop and basics of user defined functions

Read the following table to understand the instructions for the smooth flow of lab.

Lab time and marks distribution

No#	Topic/Task	Time	Assessment Marks
Topic Demonstration By Instructor : 30 minutes			
1	do-While loop	10 minutes	01
2	do-While loop	10 minutes	01
3	Void function	10 minutes	01
4	Void function	20 minutes	01
5	Function (arguments)	20 minutes	02
6	Function (arguments)	20 minutes	02
		Total Time 2:00 hours	Total Marks: 08

Lab Policy :

- All the students have to do this lab individually
- Anyone doing cheating will be assigned **ZERO** in assessment marks
- All the tasks are mandatory to obtain the assessment marks
- During lab No one is allowed to move outside without permission

```

1. #include<stdio.h>
2. #include<stdlib.h>
3. // function prototype
4. void add (int,int);
5. int main(){
6. int a, b ;
7. printf("enter the values of a and b");
8. scanf("%d%d",&a,&b);
9. // function call
10. add(a,b);
11. return 0 ;
12. }
13. // function definition
14. void add(int i,int j)
15. {
16. int c;
17. c=i+j;
18. printf("addition=%d",c);
19. }

```

Practice Tasks:

Do-while loop

- 1) Write a C program to print sum of all even numbers between 1 to 50.
- 2) Write a program to print the table of characters that are equivalent to the Ascii codes from 1 to 122

Functions:

Void functions

- 3) Write a program to find the average of five numbers using void function.
- 4) Write a program of to generate the table from 1-5 natural numbers using void function.

Function with parameters & returning values

- 5) Write a program to find the factorial of a number using function.
- 6) Write a program to take user input for a starting number and ending number then sum the odd numbers using parameters and return value function.