
ACADEMY OF TECHNOLOGY

Department: ECE2

Paper name: Programming for Problem Solving

Code: ES-CS201

Semester: 2nd

TECHNICAL REPORT WRITING

**Topic: Impact of loop control on the field of programming
for problem solving**

Learning outcome of technical report topic	Mapped to course outcome of paper	Bloom's Taxonomy level
Learning of loop control will explore the application of various loops in the sphere of programming to solve different problems and such usage of loops will also enhance the ability of writing programs.	CO3	L1(Remembering) L2 (Understanding) L3(Apply)

Relevant questions on Technical Report topic:

1. Differentiate entry-controlled loop and exit- controlled loop. [Remembering:5]
2. Explain the working principle of break and continue statements briefly. [Remembering:5]
3. Find the final value of variable j considering following programming statements (mentioned below) and also explain your answer briefly.
 - i) for(int j=1;j<=5;j++);
 - ii) for(int j=1;printf("");j++);[Apply:5]
4. Write a C program to display the Fibonacci series of first n numbers. [Apply:5]
5. Find the output of following c code, State the reason also. [Analyze:5]

```
#include<stdio.h>
void main()
{
int a=5,b=10,c=1;
if(a&& b>c)
{
printf("C questionbank");
} else{ break; } }
```

Submission Deadline: 10/03/2023

Instructions to write Technical Report

Prescribed format of Title Page

**Technical Report Writing
on**

Impact of loop control on the field of programming for problem solving

Submitted by

Name:.....

Department:.....

Semester:

Roll Number:.....



Department of Computer Science and Engineering

ACADEMY OF TECHNOLOGY

AEDCONAGAR, HOOGHLY-712121

WEST BENGAL, INDIA

Note: Nothing else must be written on title page. Begin the rest of the report from next page

1 Abstract

(within 50 words) This section should give a true, brief description of the report's content.

2 Introduction

(within 150-200 words) This section introduces the topic of the report. It explains the problem. It indicates the purpose of the report. It briefly outlines the report structure.

3 Procedure and Discussion

The section contains the main content. We should introduce small subheadings here in order of importance. Include theory, methodology, findings, apparatus, derivations, analysis, comparisons, calculations, applications, and other details as needed for the report here. This section may also include tables, charts, graphs, diagrams and other relevant figures. All such figures must be properly numbered and labelled.

4 Conclusion

Conclusion should be within 50-100 words.

5 References

All books, articles and web pages referred to should be listed in alphabetical order in this section. A sample is given below. NOTE: Subject teachers should insert appropriate references as samples for students as relevant for topic given here.

A) References:

- 1) Yashavant Kanetkar, Let Us C, bpb
- 2) Byron Gottfried, Schaum's Outline of Programming with C, McGraw-Hill
- 3) E. Balaguruswamy, Programming in ANSI C, Tata McGraw-Hill
- 4) Brian W. Kernighan and Dennis M. Ritchie, The C Programming Language, Prentice Hall of India
- 5) R. S. Salari, Computer Concepts and Programming in C, Khanna Publishers
- 6) Reema Thareja, Introduction to C Programming, Oxford