Tribhuvan University

Faculty of Humanities and Social Science

Prithvi Narayan Campus, Pokhara

Lab Report on DotNet Technology (CACS302)

BCA 5th Sem

[2079 Batch]

Submitted By

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Submitted To

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BCA Program, PNC

Index

S.N.	Objective	Date of submission	Remarks
1.	**To develop a console application in C# that takes user input for their name and age, and prints a welcome message.**		
2.	**To create a C# program that demonstrates valid and invalid identifiers and shows the use of various C# keywords**		
3.	**To modify a C# program by adding appropriate single-line and multi-line comments, making the code more understandable and maintainable**		
4.	**To develop a basic calculator in C# that demonstrates the use of different data types and various arithmetic and logical operators**		
5.	**To develop a C# program that performs basic string manipulations**		
6.	**To create a C# program that takes 5 integer inputs from the user, stores them in an array, and calculates the total sum and average**		
7.	**To write a C# program that demonstrates the difference between passing parameters by value and by reference using methods**		
8.	**To create a C# program that determines and prints a student's grade based on their marks using both if-else and switch-case statements**		
9.	**To write a C# program that generates the Fibonacci series up to N terms using all three types of loops: for, while, and do-while**		

10.	To create a user-defined namespace PNC and define a Student class inside it with fields for Name, Gender, and RollNo, including a constructor to initialize these fields		