A

Project Report

On

**CRICKET SCORESHEET IN C**

Submitted in partial fulfillment of the requirement for the IV semester

**Bachelor of Technology**

By

Shreshth Tiwari

1961159  
Karan Nayal

1961080

**Under the Guidance of**

**Mr. Purushottam Das**

**Assistant Professor**

**Deptt. of CSE**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**GRAPHIC ERA HILL UNIVERSITY, BHIMTAL CAMPUS**

**SATTAL ROAD, P.O. BHOWALI,**

**DISTRICT- NAINITAL-263132**

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**STUDENT’S DECLARATION**

I **Karan Nayal** with **Shreshth Tiwari** hereby declare the work, which is being presented in the project, entitled “Cricket Score Sheet in C ” in partial fulfillment of the requirement for the Mini Project in the session **2020-2021**, is an authentic record of my own work carried out under the supervision of **Mr. Purushottam Das**.

The matter embodied in this project has not been submitted by me for the award of any other degree.

Date : ………….. ……………….

(Full signature of student)

**CERTIFICATE**

The project report entitled “Cricket Score Sheet in C” being submitted by **Karan Nayal** S/O **Mr. JS Nayal**, Enrollment No- **PVB-1961080**, Roll no- **1961080** with **Shreshth Tiwari** S/O **Mr. Girja Shankar Tiwari**, Enrollment No- **PVB-1961159**, Roll no- **1961159** to **Graphic Era Hill University Bhimtal Campus** for the award of bonafide work carried out by him. They have worked under my guidance and supervision and fulfilled the requirement for the submission of report.

(…………………) (……………………)

Project Guide (HOD, CSE Dept.)

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**Karan Nayal**

**Shreshth Tiwari**

**INTRODUCTION**

Cricket Score Sheet project is a simple project built using the C programming language. It uses file handling to store information regarding players name, country and batting average. The program can display players name, country, and the batting average of the players.

The programs of the code has several functions and commands which are discussed in the upcoming pages or slides.

**Cricket Score Sheet Project Abstract:**

**If statement :**

**Syntax of if statement**: The statements inside the body of “if” only execute if the given condition returns true. If the condition returns false then the statements inside “if” are skipped.

**Structure :**

Structure is a user-defined datatype in C language which allows us to combine data of different types together. Structure helps to construct a complex data type which is more meaningful. It is somewhat similar to an Array, but an array holds data of similar type only. ... In structure, data is stored in form of records.

**Printf statement :**

The printf function in C programming language is used for output formatting. It is used to display information required by the user and also prints the value of the variables. It formats the output, like the width of the output, the sign of the output e.t.c We will learn those formatting using printf() C.

printf(“/n Enter the number of values :”);

**Scanf statement :**

In the C programming language, scanf is a function that reads formatted data from stdin (i.e, the standard input stream, which is usually the keyboard, unless redirected) and then writes the results into the arguments given.

scanf(“%d (or) %c (or) %s (or) %f”,&a,&b,&c,&d);

**Increment operator :**

C programming has two operators increment ++ and decrement -- to change the value of an operand (constant or variable) by 1.Increment++ increases the value by 1.

It is usally used in for loop and in external program also

for(i=0;i<n;i++)

**Decrement operator :**

Increment and Decrement Operator in C. Increment Operators are used to increased the value of the variable by one and Decrement Operators are used to decrease the value of the variable by one in C programs.

It is usally used in for loop and in external program also

for(i=0;i<n;i--)

**Looping Statement in C :**

Looping statement are the statements execute one or more statement repeatedly several number of times. In C programming language there are three types of loops; while, for and do-while.

**Why use loop ?**

When you need to execute a block of code several number of times then you need to use looping concept in C language.

Advantage with looping statement

* Reduce length of Code
* Take less memory space.
* Burden on the developer is reducing.
* Time consuming process to execute the program is reduced.

**Types of Loops:**

There are three type of Loops available in 'C' programming language.

* while loop
* for loop
* do..while

**Difference between conditional and looping statements**

Conditional statement executes only once in the program where as looping statements executes repeatedly several number of time.

**While loop :**

In While Loop in C First check the condition if condition is true then control goes inside the loop body other wise goes outside the body. while loop will be repeats in clock wise direction.

**Syntax :**

while(condition)

{

Statements;

......

**Increment For loop:**

For Loop in C is a statement which allows code to be repeatedly executed. For loop contains 3 parts Initialization, Condition and Increment or Decrements.

/decrements (++ or --);

}

**Syntax :**

for (assign value; decision statement; increment operator (or)decrement operator )

**do-while :**

A do-while Loop in C is similar to a while loop, except that a do- while loop is execute at least one time.

A do while loop is a control flow statement that executes a block of code at least once, and then repeatedly executes the block, or not, depending on a given condition at the end of the block (in while).

**Syntax:**

do

{

Statements;

........

Increment/decrement (++ or --)

} while();

**When use do..while Loop :**

When we need to repeat the statement block at least 1 time then we use do-while loop.

**Nested loop :**

In Nested loop one loop is place within another loop body.

When we need to repeated loop body itself n number of times use nested loops. Nested loops can be design upto 255 blocks.

**String :**

A string is a sequence of characters stored in a character array. A string is a text enclosed in double quotation marks. A character such as 'd' is not a string and it is indicated by single quotation marks. 'C' provides standard library functions to manipulate strings in a program.

**Strcmp() :**

The strcmp() function is usedto compare two strings two strings str1 and str2 . If two strings are same then strcmp() returns 0 , otherwise, it returns a non-zero value. This function compares strings character by character using ASCII value of the characters.

**Goto :**

goto is a jumping statement in c language, which transfer the program's control from one statement to another statement (where label is defined).

**FLOWCHART FOR PROGRAM :**

**ALGORITHM :**

Step1:START

Step2:Declare structure cricket .

Name as string.

Team name as string .

Batting average as integer .

Step3:Declare i,n and team name

Step4:Print “how many players” and get the value of ‘n’

Step5:Get the names, team names and the batting averages

Step6:Print the names, team names and batting

averages

Step7:Form a team using the data

Step8:Print the team players and average

Step9:Stop

**OUTPUT**

