

**SWITCH STATEMENT AND ITS SOME APPLICATIONS
IN
C PROGRAMMING**

A Project Report Submitted
in Partial Fulfilment of the Requirements for the Degree of

MASTER OF SCIENCE

in
Mathematics

by

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to the

**DEPARTMENT OF MATHEMATICS
JAWAHARLAL NEHRU COLLEGE, BOKO**

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Date: 06/11/2023

Nabajyoti Kalita
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Subin
Received *6/11/23*

CERTIFICATE

This is to certify that the work contained in this report entitled **“Switch Statement and its some Applications in C Programming”** submitted by **Nabajyoti Kalita (Rollno:PS-221-019-0006)** to the Department of Mathematics, JN College, Boko towards the requirement of the course of **M.sc in Mathematics** has been carried out by him under my supervision.

Date: 06/10/2023

Nobin Daimary
Mr. Nobin Daimary
Project Supervisor

ABSTRACT

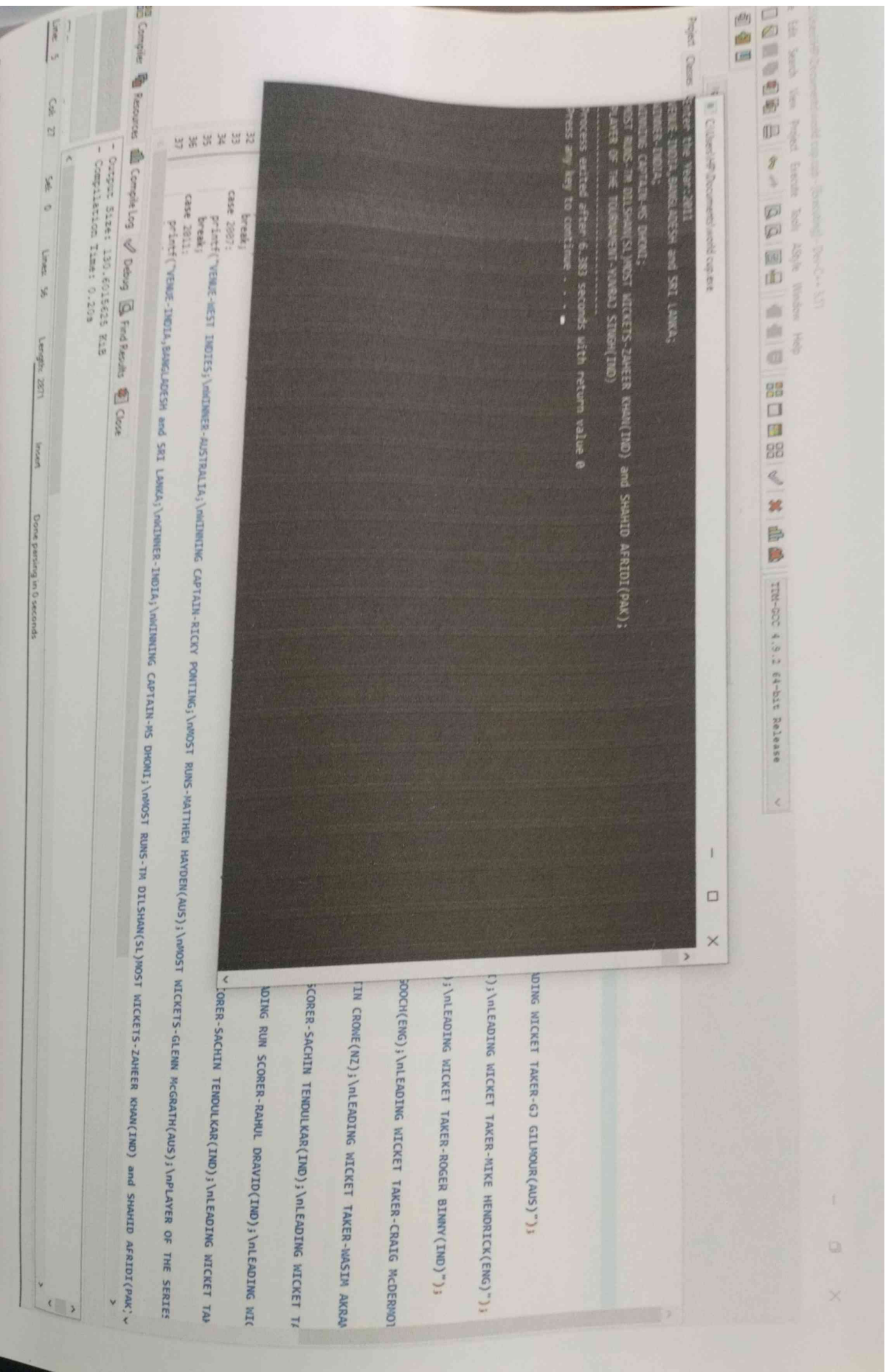
In recent times, C programming has become an important part of mathematics. Many of the mathematical functions, formulas and even data of day-to-day life can be displayed and executed through C programming. In this report, we shall consider the Switch statement in C and with the help of this data of all the Cricket world cup held since 1975.

Keywords C programming, Switch, execute.

```

1: #include<stdio.h>
2: main()
3: {
4:     int i;
5:     printf("Enter the year:");
6:     scanf("%d",&i);
7:     switch(i)
8:     {
9:         case 1975:
10:            printf("VENUE-ENGLAND\WINNING TEAM-WEST INDIES\WINNING CAPTAIN-CLIVE LLOYD\WLEADONG SHIRI SUTHER-ON TURNER(NZ);\WLEADONG WICKET TAKER-GJ GILCHRIST(AUS)");
11:            break;
12:         case 1979:
13:            printf("VENUE-ENGLAND\WINNING TEAM-WEST INDIES\WINNING CAPTAIN-CLIVE LLOYD\WLEADONG SHIRI SUTHER-GORDON GREENIDGE(NZ);\WLEADONG WICKET TAKER-MIKE HENDRICK(ENG)");
14:            break;
15:         case 1983:
16:            printf("VENUE-ENGLAND and WALES\WINNING TEAM-INDIA\WINNING CAPTAIN-CLIVE LLOYD\WLEADONG SHIRI SUTHER-GORDON GREENIDGE(NZ);\WLEADONG WICKET TAKER-MIKE HENDRICK(ENG)");
17:            break;
18:         case 1987:
19:            printf("VENUE-ENGLAND and WALES\WINNING TEAM-INDIA\WINNING CAPTAIN-KAPIL DEV\WLEADONG RUM SCORER-DAVID GOMER(ENG);\WLEADONG WICKET TAKER-ROGER BINNY(IND)");
20:            break;
21:         case 1992:
22:            printf("VENUE-INDIA and PAKISTAN\WINNING TEAM-AUSTRALIA\WINNING CAPTAIN-ALLAN BOBBER\WLEADONG RUM SCORER-GRAHAM GOOCH(ENG);\WLEADONG WICKET TAKER-CRAIG MCDERMOTT(AUS)");
23:            break;
24:         case 1996:
25:            printf("VENUE-AUSTRALIA and NEW ZEALAND\WINNING TEAM-PAKISTAN\WINNING CAPTAIN-JIMMIE HANNA\WLEADONG RUM SCORER-MARTIN GROVE(NZ);\WLEADONG WICKET TAKER-MASIM ANJUM(PAK)");
26:            break;
27:         case 1999:
28:            printf("VENUE-INDIA,SRI LANKA and PAKISTAN\WINNING TEAM-SRI LANKA\WINNING CAPTAIN-MADURA RABATTINGA\WLEADONG RUM SCORER-SACHIN TENDULKAR(IND);\WLEADONG WICKET TAKER-ANIL KUMBLE(IND)");
29:            break;
30:         case 2003:
31:            printf("VENUE-ENGLAND,SCOTLAND,IRELAND,NETHERLANDS,WALES\WINNING TEAM-AUSTRALIA\WINNING CAPTAIN-STEVE WAUGH\WLEADONG RUM SCORER-RAHUL DRAVID(IND);\WLEADONG WICKET TAKER-GEOFF ALLOT(NZ)and SHANE WARNE(AUS)");
32:            break;
33:         case 2007:
34:            printf("VENUE-SOUTH AFRICA,KENYA and ZIMBABWE\WINNING TEAM-AUSTRALIA\WINNING CAPTAIN-RICKY PONTING\WLEADONG RUM SCORER-SACHIN TENDULKAR(IND);\WLEADONG WICKET TAKER-CHANDIDA VASS(SL);\WLEADONG WICKET TAKER-GEOFF ALLOT(NZ)and SHANE WARNE(AUS)");
35:            break;
36:         case 2011:
37:            printf("VENUE-WEST INDIES\WINNING TEAM-AUSTRALIA\WINNING CAPTAIN-RICKY PONTING\WLEADONG RUM SCORER-SACHIN TENDULKAR(IND);\WLEADONG WICKET TAKER-CHANDIDA VASS(SL);\WLEADONG WICKET TAKER-GEOFF ALLOT(NZ)and SHANE WARNE(AUS)");
38:            break;
39:         case 2015:
40:            printf("VENUE-INDIA,BANGLADESH and SRI LANKA\WINNING TEAM-INDIA\WINNING CAPTAIN-RS BIRDE\WLEADONG RUM SCORER-TN DILSHAN(SL)WLEADONG WICKETS-GLINN MCGRATH(AUS);\WLEADONG WICKET TAKER-CHANDIDA VASS(SL);\WLEADONG WICKET TAKER-GEOFF ALLOT(NZ)and SHANE WARNE(AUS)");
41:            break;
42:         case 2019:
43:            printf("VENUE-AUSTRALIA and NEW ZEALAND\WINNING TEAM-AUSTRALIA\WINNING CAPTAIN-MICHAEL CLARKE\WLEADONG RUM SCORER-MARTIN GARTILL(NZ);\WLEADONG WICKETS-MITCHELL STARC(AUS) and TRENT BOUT(NZ);\WLEADONG WICKET TAKER-GEOFF ALLOT(NZ)and SHANE WARNE(AUS)");
44:            break;
45:         case 2023:
46:            printf("VENUE-ENGLAND and WALES\WINNING TEAM-ENGLAND\WINNING CAPTAIN-EOIN MORGAN\WLEADONG RUM SCORER-DAVID GOMER(ENG);\WLEADONG WICKET TAKER-ROGER BINNY(IND)");
47:            break;
48:         default:
49:            printf("NO INFORMATION AS PER ICC DATA");
50:            break;
51:     }
52: }

```



Calculator Document world cup.cpp - [Debugging] - Dev-C++ 5.11
File Edit Search View Project Execute Tools ASStyle Window Help
TDM-GCC 4.9.2 64-bit Release

Project Classes Debug world cup.cpp

global:1
Enter the Year:2010
AND INFORMATION AS PER ICC DATA
Process exited after 4.243 seconds with return value 0
Press any key to continue . . .

35
36
37
break;
case 2011:
printf("VENUE-INDIA,BANGLADESH AND SRI LANKA;\nWINNER-INDIA;\nWINNING CAPTAIN-MS DHONI;\nMOST RUNS-TM DILSHAN(SL)\nMOST WICKETS-ZAHEER KHAN(IND) and SHAHID AFRIDI(PAK);\nOutput Size: 180.6015625 Kib
Compilation Time: 0.228

Compiler Resources Compile Log Debug Find Results Close

5 Col: 27 Set: 0 Lines: 96 Length: 2871 Insert Done parsing in 0 seconds

CKET TAKER-GJ GILPOUR(AUS));
DING WICKET TAKER-MIKE HENDRICK(ENG));
ING WICKET TAKER-ROGER BINNY(IND));
G);\nLEADING WICKET TAKER-CRAIG MCDERMOT
E(NZ);\nLEADING WICKET TAKER-MASIM AKRA
ACHIN TENDULKAR(IND);\nLEADING WICKET T
N SCORER-RAHUL DRAVID(IND);\nLEADING WIC
CHIN TENDULKAR(IND);\nLEADING WICKET TAD
LENN MCGRAITH(AUS);\n\nPLAYER OF THE SERIES