Experiment 3

Decision making

Q: Theory: decision making in c

Decision making structures require that the programmer specify one or more conditions to be evaluated or tested by the program, along with a statement or statements to be executed if the condition is determined to be true, and optionally, other statements to be executed if the condition is determined to be false.

Q: if else nested if

The "if" statement in C is used to implement conditional branching. It allows you to execute a block of code if a certain condition is true. The syntax of the "if" statement in C is as follows:

n C programming, the "else" statement is used in conjunction with the "if" statement to execute a block of code when the condition specified in the "if" statement evaluates to false. It provides an alternative execution path when the "if" condition is not met.

Q: Write a c program to enter a number to check if it is even or odd.

#include <stdio.h>

void main()

{

int number;

clrscr();

printf("Enter the number : ");

scanf("%d", &number);

if(number % 2 == 0)

printf("%d is even number\n", number);

else

printf("%d is odd number\n", number);

getch();

}

Q: write a c program and check if it is leap or not

#include <stdio.h>

void main()

{

int year;

printf("Enter the year : ");

scanf("%d", &year);

if(year % 4 == 0)

printf("%d is a leap year", year);

else

printf("%d is not a leap year", year);

}