Practical 4

Aim : Write and execute two programs using while loop

Theory :

While loop :

A while loop in C programming repeatedly executes a target statement as long as a given condition is true.

Syntax :   while (condition) {

Statement (s) ;

}

Code :

a. To find the sum of 'n' numbers .

→ #include <stdio.h>

#include <conio.h>

int main() {

int i=0, n ;

float sum = 0;

printf (" Enter number of numbers you want to add : ");

scanf ("%d", &n);

float arr [n];

while (i<n) {

printf (" Enter the element no. %d : ", i+1);

scanf ("%f", &arr [i]);

sum += arr [i] ;

i++ ;

}

printf ("Sum of the entered numbers is : %d.2F ", sum);

return 0;

}

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b. To reverse the digits of a number.

→
```c
#include < stdio.h >
#include <conio.h >
int main() {
    int a, b;
    printf(" Enter a number :  ");
    scanf("%d", &a);
    printf(" The number you entered is %d ", a);
    while (a != 0) {
        b = b * 10 + a % 10;
        a = a/10;
    }
    printf("\n the reversed number is : %d ", b);
}}
```

Conclusion :

Hence, I wrote and executed two programs using while loop.