1. **Write a program to print numbers from 1 to 100**

#include <stdio.h>

int main() {

for(int i = 1; i <= 100; i++) {

printf("%d\n", i);

}

return 0;

}.

1. **Write a program to print even numbers from 1 to 50.**

#include <stdio.h>

void main() {

for(int i = 2; i <= 50; i += 2) {

printf("%d\n", i);

}

return 0;

}

1. **Write a program to find the factorial of a number.**

#include <stdio.h>

void main() {

int n, f = 1;

printf("Enter a number: ");

scanf("%d", &n);

for(int i = 1; i <= n; i++) {

f \*= i;

}

printf("Factorial is %d\n", f);

}

1. **Write a program to calculate the sum of digits of a number.**

#include <stdio.h>

int main() {

int n, sum = 0;

printf("Enter a number: ");

scanf("%d", &n);

while(n > 0) {

sum += n % 10;

n /= 10;

}

printf("Sum of digits is %d\n", sum);

}

1. **Write a program to reverse a number.**

#include <stdio.h>

void main() {

int n, rev = 0;

printf("Enter a number: ");

scanf("%d", &n);

while(n > 0) {

rev = rev \* 10 + n % 10;

n /= 10;

}

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

return 0;

**}**

1. **Write a program to check whether a number is a palindrome.**

#include <stdio.h>

void main() {

int n, temp, rev = 0;

printf("Enter a number: ");

scanf("%d", &n);

temp = n;

while(n > 0) {

rev = rev \* 10 + n % 10;

n /= 10;

}

if(temp == rev)

printf("Palindrome\n");

else

printf("Not a palindrome\n");

}

1. **Write a program to print multiplication table of a number.**

#include <stdio.h>

void main() {

int n;

printf("Enter a number: ");

scanf("%d", &n);

for(int i = 1; i <= 10; i++) {

printf("%d x %d = %d\n", n, i, n \* i);

}

}

1. **Write a program to count the number of digits in a number.**

#include <stdio.h>

void main() {

int n, count = 0;

printf("Enter a number: ");

scanf("%d", &n);

if(n == 0) {

count = 1;

} else {

while(n > 0) {

n /= 10;

count++;

}

}

printf("Number of digits is %d\n", count);

}

1. **Write a program to print the Fibonacci series up to n terms.**

#include <stdio.h>

void main() {

int n, a = 0, b = 1, next;

printf("Enter number of terms: ");

scanf("%d", &n);

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

printf("%d\n", a);

next = a + b;

a = b;

b = next;

}

}

1. **Write a program to calculate the sum of the first n natural numbers**.

#include <stdio.h>

void main() {

int n, sum = 0;

printf("Enter a number: ");

scanf("%d", &n);

for(int i = 1; i <= n; i++) {

sum += i;

}

printf("Sum is %d\n", sum);

}