**Q 1. C program to sum**

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#include <stdio.h>

int main(){

int n, count, sum=0;

printf("Enter the value of n.\n");

scanf("%d",&n);

for(count=1;count<=n;++count) //for loop terminates if count>n

{

sum+=count; /\* this statement is equivalent to sum=sum+count \*/

}

printf("Sum=%d",sum);

return 0;

}

**Q2. C program for prime number**

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#include <stdio.h>

main()

{

int n, c;

printf("Enter a number\n");

scanf("%d", &n);

if ( n == 2 )

printf("Prime number.\n");

else

{

for ( c = 2 ; c <= n - 1 ; c++ )

{

if ( n % c == 0 )

break;

}

if ( c != n )

printf("Not prime.\n");

else

printf("Prime number.\n");

}

return 0;

}

**Q3. C program for Fibonacci series**

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#include <stdio.h>

main()

{

int n, first = 0, second = 1, next, c;

printf("Enter the number of terms\n");

scanf("%d",&n);

printf("First %d terms of Fibonacci series are :-\n",n);

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

{

if ( c <= 1 )

next = c;

else

{

next = first + second;

first = second;

second = next;

}

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

}

return 0;

}

**Question: Write A Program for Palindrome**