1. **CHECK PRIME OR NOT**

#include <stdio.h>

void prime(int n);

int main()

{

int n;

printf("Enter a number: ");

scanf("%d",&n);

prime(n);

return 0;

}

void prime(int n)

{

int i, flag = 0;

for(i=2; i <= n/2; ++i)

{

if(n%i == 0){

flag = 1;

break;

}

}

if(flag == 1)

printf("%d is not a prime number.",n);

else

printf("%d is a prime number.", n);

}

**2) REVERSE NUMBER**

#include<stdio.h>

int reverse(int n)

{

int sum=0, rem;;

while (n!=0)

{

rem = n%10;

sum = sum\*10 + rem;

n /= 10;

}

return sum;

}

int main()

{

int number, rev;

printf("Enter a positive interger: ");

scanf("%d", &number);

rev = reverse(number);

printf("The reverse of %d is: %d", number, rev);

return 0;

}

**3) FIBONACCI SERIES USING RECURSION**

#include<stdio.h>

int main()

{

int n1=0,n2=1,n3,i,number;

printf("Enter the number of elements:");

scanf("%d",&number);

printf("\n%d %d",n1,n2);//printing 0 and 1

for(i=2;i<number;++i)

{

n3=n1+n2;

printf(" %d",n3);

n1=n2;

n2=n3;

}

return 0;

}