**1.Fibonacci Series**

#include<stdio.h>

Int main()

{

Int a=0,b=1,i,c,n;

printf(“ enter no. of elements”);

scanf(“%d”,&n);

printf(“\n%d%d”,a,b);

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

{

c=a+b;

printf(“%d”,c);

a=b;

b=c;

}

return 0;

}

**2. Prime No.**

#include<stdio.h>

int main()

{

int x,i,y=0,flag=0;

printf(“enter the no.”);

scanf(“%d”,&x);

y=x/2;

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

{

If(x%i==0)

{

printf(“No. is not prime”);

flag=1;

break;

}

}

if(flag==0)

printf(“No. is prime”);

return 0;

}

**3. Factorial**

#include<stdio.h>

int main()

{

int i,f=1,n;

printf(“enter no.”);

scanf(“%d”,&n);

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

{

f=f\*i;

}

printf(“factorial of %d is %d”,n,f);

return 0;

}

**4. Sum of digits**

#include<stdio.h>

int main()

{

int p,sum=0,q;

printf(“enter no.”);

scanf(“%d”,&p);

while(p>0)

{

q=p%10;

sum=sum+q;

p=p/10;

}

printf(“sum of digits is %d”,sum);

return 0;

}

**5. Reverse a No.**

#include<stdio.h>

int main()

{

int a,rev=0,rem;

printf(“enter no.”);

scanf(“%d”,&a);

while(a!=0)

{

rem=a%10;

rev=rev\*10+rem;

n/=10;

}

printf(“reverse of no. is %d”,rev);

return 0;

}

**6. Swapping two Nos. without third variable**

include<stdio.h>

int main()

{

int x=15,y=30;

printf(“before swapping x=%d and y=%d”,x,y);

x=x+y;

y=x-y;

x=x-y;

printf(“\nafter swapping x=%d and y=%d”,x,y);

return 0;

}

**7. Print hello without using semicolon**

#include<stdio.h>

int main()

{

if(printf(“hello”)){}

return 0;

}