

```
//Print 1 to 5 using recursive function
```

```
#include<stdio.h>
void call(int n)
{
    if(n==1)
        return;
    n--;
    call(n);
    printf("%d",n);
}
```

```
int main()
{
    int no=6;

    call(no);

    getch();

    return 0;
}
```

```
//print binary of a number
```

```
#include<stdio.h>
void binary(int);
void main()
{
    int num;
    printf("\n Enter no. : ");
    scanf("%d",&num);
    binary(num);
}
```

```
void binary(int num)
{
    int bin;

    if(num<=0)
        return;
    bin = num % 2;
    binary(num/2);
    printf("%d",bin);
}
```

```
//print binary of a number
```

```
#include<stdio.h>

void Num(int);

void main()
{
    int num;
    printf("\n Enter no. : ");
    scanf("%d",&num);
    Num(num);
}
```

```
int Num(int no)
```

```
{
```

```

    if(no/2==0)
return 1;
else
return Num(no/2)*10+no%2;
}
//print Fibonacci series
void main()
{
    int n;

    void fib(int);

    printf("Enter the number of terms in fibonacci series :");

    scanf("%d",&n);

    if(n==0)

        printf("\nInvalid choice");

    else if(n==1)

        printf("\n0");

    else if(n==2)

        printf("\n 0 \t 1");

    else

        {
            printf("\n0 \t1");

            fib(n);

        }

}

void fib(int n)
{
    static int x=0,y=1;

    int c;

    c=x+y;

    printf("\t%d",c);1 2 3

    x=y;

    y=c;

    n--;

    if(n>2)

```

```

        fib(n); //Recursive call
    }

//find factorial of a number
int fact(int x)
{
    int f;
    if(x==1 || x==0)
        return 1;
    else
    {
        f=x*fact(x-1);
    }
    return f;
}

#include<stdio.h>
void fact(int);
void main()
{
    int num,r;
    printf("\n Enter no. : ");
    scanf("%d",&num);
    r=fact(num);
    printf("%d",r);
}

//Sum of digit
#include<stdio.h>
int sum(int m)
{
    int r;
    static int s=0;

    if(m==0)
        return 0;

    else
    {
        r=m%10;
        s=s+r;
        sum(m/10);
        return s;
    }
}

void main()
{
    int m,res;
    printf("Enter the value of m");
    scanf("%d",&m);
    res = sum(m);
    printf("sum=%d",res);
    getch();
}

```