1. **C program to reverse a number using recursion**

#include<stdio.h>

int main(){

    int num,reverse;

    printf("Enter any number: ");

    scanf("%d",&num);

    reverse=rev(num);

    printf("Reverse of number: %d",reverse);

    return 0;

}

int rev(int num){

    static sum,r;

    if(num){

         r=num%10;

         sum=sum\*10+r;

         rev(num/10);

    }

    else

         return 0;

    return sum;

}

Sample output:

Enter any number: 456

Reverse of number: 654