**Reverse any number using c program**

Code 1:

1. **Write a c program to reverse a given number**

2. **C program to find reverse of a number**

3. **C program to reverse the digits of a number**

4.**Reverse of a number in c using while loop**

#include<stdio.h>

int main(){

    int num,r,reverse=0;

    printf("Enter any number: ");

    scanf("%d",&num);

    while(num){

         r=num%10;

         reverse=reverse\*10+r;

         num=num/10;

    }

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

    return 0;

}

Sample output:

Enter any number: 12

Reversed of number: 21

Code 2:

**1. Reverse very large or big numbers beyond the range of long int**

**2. Reverse five digit number c program**

Logic is we accept the number as string

#include<stdio.h>

#define MAX 1000

int main(){

    char num[MAX];

    int i=0,j,flag=0;

    printf("Enter any positive integer: ");

    scanf("%s",num);

    while(num[i]){

         if(num[i] < 48 || num[i] > 57){

             printf("Invalid integer number");

             return 0;

         }

         i++;

    }

    printf("Reverse: ");

    for(j=i-1;j>=0;j--)

         if(flag==0 &&  num[j] ==48){

         }

         else{

             printf("%c",num[j]);

             flag =1;

         }

    return 0;

Sample output:

Enter any positive integer: 234561000045645679001237800000000000

Reverse: 8732100976546540000165432

Code 3:

**1. C program to reverse a number using for loop**

**2. How to find reverse of a number in c**

**3. Wap to reverse a number in c**

#include<stdio.h>

int main(){

    int num,r,reverse=0;

    printf("Enter any number: ");

    scanf("%d",&num);

    for(;num!=0;num=num/10){

         r=num%10;

         reverse=reverse\*10+r;

    }

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

    return 0;

}

Sample output:

Enter any number: 123

Reversed of number: 321

Code 4:

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