

write a C program to print sum of digits sum of digits using function.

Ans

```
#include <stdio.h>
int sum of digits (int n);
int main() {
    int number, sum;
    printf ("enter any number to find the sum of its digits");
    scanf ("%d", & number);
    printf ("sum of digits (number); ");
    printf ("sum of digits of %d = %d/n", number, sum);

    return 0;
}

int sum of digits (int n) {
    int sum = 0;
    remainder = n % 10;
    sum + remainder;
    n /= 10;

    return sum;
}
```

OUT PUT

Enter any number to find its digits 234  
sum of digits of 234 = 9

Q. write a C program to reverse given number

Ans: `#include <stdio.h>`  
`int reverse number (int num);`  
`int main () {`  
`int number, reversed = 0;`  
`printf ("enter a number to reverse: ");`  
`scanf ("%d", & number);`  
`reversed = reverse number (number);`  
`printf ("reversed number: %d \n", reversed);`  
`return 0;`  
`}`

`int reverse number (int num) {`  
`int reverse = 0, remainder;`  
`while (num != 0) {`  
`remainder = num % 10;`  
`reverse = reverse * 10 + remainder;`  
`num = num / 10;`  
`}`  
`return reverse;`  
`}`

Output: Enter a number to reverse: 262.  
 Reversed number: 262.



Q write a programme swap two number without using third variable.

Ans: #include <stdio.h>  
int main()

{  
int a, b;

printf("enter two numbers (a and b):");

scanf("%d %d", &a, &b);

printf("before swap: a = %d, b = %d\n", a, b);

a = a + b;

b = a - b;

a = a - b;

printf("after swap: a = %d ; b = %d\n", a, b);

return 0;

}

out Put :-

Enter two number (a and b) :- 10 20

Before swap: a = 10, b = 20

After swap: a = 20, b = 10