1] Write a c program sum of digits using C
function x?

```c
#include <stdio.h>
#include <conio.h>
int sum of digits (int num){
    int sum =0;
    while (num != 0) {
        sum = num%10;
        num /=10;
    }
    return sum;
}
    int main() {
    int number;
    printf("Enter an integer:");
    scanf("%d", & number);
    printf("sum of digits of %d is %d \n",
        number, sum of Digits (number));
    return 0;
    }.
```

— -*- * * * * —

2] write a program to reverse a given number
using functions.

```c
#include <stdio.h>.
#include <conio.h>.
int reverse Number (int n) {
    int reversed Num =0.
```

```
While (n! = 0) {
    int remainder = n%10;
    reversed Num = reversed Num*16 + remainder;
    n /= 10;
}
    return reversed Num;
}
    int main () {
        int num;
        printf ("Enter an integer:");
        Scanf ("%d", & num);
        int result = reverse Number (num);
        printf ("Reversed Number :%d\n", result );
        return 0;
    }.
```

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③ Write a program swapping of two numbers with out 3rd variable.

```
#include <stdio.h>.
#include <conio.h>
    void main ()
    {
        int a=10; b=20;
        printf (" Before Swapping\n");
        printf ("a=%d\n b=%d\n", a, b);
        a=a+b;
        b=a-b;
        a=a-b;
        printf ("After swapping\n");
        printf (" a=%d\n b=%d\n", a, b);
    }
        getch ();
    }
```