

Assignment - 2

① write a program to print unit digit of a given number.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a;
```

```
    printf ("Enter a Number:");
```

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

```
    printf ("a = %d", a);
```

```
    return 0;
```

```
}
```

out put:

Enter a Number: 5

a = 5

② write a program to print a given number without its last digit

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a;
```

```
    printf ("Enter a Number:");
```

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

```
    if a = a / 10;
```

```
    printf ("Remove last digit %d", a);
```

```
    return 0;
```

```
}
```

Output:

Enter a Number: 256

Remove last digit: 25

③ write a program to swap values of two int variables

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a, b, temp;
```

```
    printf ("Enter two numbers:");
```

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

```
    temp = a;
```

```
    b = a;
```

```
    a = b;
```

```
    b = temp;
```

```
    printf ("a = %d \n b = %d", a, b);
```

```
    return 0;
```

```
}
```


Q7 write a program to swap value of two int variable without using a third variable.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a, b;
```

```
    printf ("Enter a Number:");
```

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

```
    printf ("Enter b Number:");
```

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

```
    a = a + b;
```

```
    b = a - b;
```

```
    a = a - b;
```

```
    printf ("a = %d \n b = %d", a, b);
```

```
    return 0;
```

```
}
```

output :

Enter a Number: 5

Enter b Number: 10

a=10
b=5

Q. write a program to input a three-digit number and display the sum of the digits.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a, b, c;
```

```
    printf("Enter three Number:");
```

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

```
    int sum = a + b + c;
```

```
    printf("Sum of the three No: %d", sum);
```

```
    return 0;
```

```
}
```

Output

Enter three Number: 10

5

10

Sum of the three No: 25

(b) write a program which takes a character as an input and display its Ascii code.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    char ch;
```

```
    printf("Enter a character Number:");
```

```
    scanf("%d", &ch);
```

```
    printf("Ascii code is: %d", ch);
```

```
    return 0;
```

```
}
```

Output

Enter a character Number: A

Ascii code is: 65

Q. write a program to check whether the given number is even or odd using a bitwise operator

```
#include <stdio.h>
int main()
```

```
{
```

```
    int a;
```

```
    printf("Enter a Number:");
```

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

```
    if (a % 2)
```

```
        printf("Odd Number");
```

```
    else
```

```
        printf("Even Number");
```

```
    return 0;
```

```
}
```

Output

Enter a Number: 234

Even Number

(19) Write a program to printf size of an int, a float, a char and a double type variable.

```
#include <stdio.h>
```

```
int main()
```

```
int a;
```

```
char b;
```

```
float c;
```

```
double d;
```

```
printf ("integer is: %d\n", sizeof(a));
```

```
printf ("float is: %d\n", sizeof(b));
```

```
printf ("char is: %d\n", sizeof(c));
```

```
printf ("double is: %d\n", sizeof(d));
```

```
return 0;
```

2
1

```
integer = 4
```

```
float = 4
```

```
char = 1
```

```
double = 8
```


(10) write a program to make the last digit of a number stored in a variable as zero

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a;
```

```
    printf("Enter a Number:");
```

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

```
    a = a / 10;
```

```
    a = a * 10;
```

```
    printf("a = %d", a);
```

```
    return 0;
```

↳

output

Enter a Number: 2345

a = 2340

⑪ write a program to ~~print~~ input a number from user and also input digit Append a digit in the number and print the resulting number.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a;
```

```
    printf ("Enter a Number:");
```

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

```
    a = a/10;
```

```
    a = a*10 + 9;
```

```
    printf ("a = %d", a);
```

```
    return 0;
```

```
}
```


13) write a program to take a three number - from the user rotate its digits by one position towards the right.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a, r, sum = 0;
```

```
    printf("Enter a Number");
```

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

```
    while (a != 0)
```

```
    {
```

```
        a = a / 10;
```

```
        sum = sum * 10 + r;
```

```
        a = a % 10;
```

```
    }
```

```
    printf("%d", sum);
```

```
    return 0;
```

```
}
```

Enter a Number: 256

= 652