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

```
#include<stdio.h>
int main()
{
   int a;
   printf("Enter the number ");
   scanf("%d",&a);
   printf("number is %d and its unit digit is %d",a, a%10);
}
```

2. Write a program to print a given number without its last digit.

```
#include<stdio.h>
int main()
{
   int n;
   printf("Enter a number ");
   scanf("%d", &n);
   printf("number is without last digit %d", n/10);

}
```

3. Write a program to swap values of two int variables

```
#include<stdio.h>
int main()
{
   int a,b;
   printf("Enter the numbers ");
   scanf("%d %d",&a,&b);
   printf("Before swapping %d %d ",a,b);
   int temp;
   temp = b;
   b = a;
   a = temp;
   printf("After swapping %d %d ",a,b);

}
```

4. Write a program to swap values of two int variables without using a third variable.

```
#include<stdio.h>
int main()
{
   int a,b;
   printf("Enter the numbers ");
   scanf("%d %d",&a,&b);
   printf("Before swapping %d %d ",a,b);
   a = a + b ;
```

```c
    b = a - b;
    a = a - b;
    printf("After swapping %d %d ",a,b);

}
```

5. Write a program to input a three-digit number and display the sum of the digits.

```c
int num, remain, sum=0;
    printf("Enter a number ");
    scanf("%d", &num);
    remain = num%10;
    sum = sum + remain;
    num = num/10;

    remain = num%10;
    sum = sum + remain;
    num = num/10;

    remain = num%10;
    sum = sum + remain;
    printf("Sum of numbers of digits is: %d", sum);
```

6. Write a program which takes a character as an input and displays its ASCII code.

```c
#include<stdio.h>
int main()
{
    char a;
    printf("Enter the character ");
    scanf("%c" ,&a);
    printf("%c of ASCII code is %d", a,a);

}
```

7. Write a program to find the position of first 1 in LSB.

```c
#include<stdio.h>
int main()
{
    int num=10, count = 0;
    int result = 0;

    result = num & 1;
    count ++;
    if(result == 1)
    {
        printf("position of first 1 in LSB is: %d",count);
    }
    num = num>>1;

    result = num & 1;
```

```
        count ++;
        if(result == 1)
        {
            printf("position of first 1 in LSB is: %d",count);
        }
        num = num>>1;
}
```

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

```
#include<stdio.h>
int main()
{
    int num;
    printf("Enter a number ");
    scanf("%d", &num);
    if (num & 1)
    {
        printf("odd");
    }
    else
    {
        printf("even");
    }

}
```

9. Write a program to print size of an int, a float, a char and a double type variable

```
#include<stdio.h>
int main()
{
    int i;
    float f;
    char c;
    double d;
    printf("size of int is %d",sizeof(i));
    printf("\nsize of float is %d",sizeof(f));
    printf("\nsize of char is %d",sizeof(c));
    printf("\nsize of double is %d",sizeof(d));


}
```

10. Write a program to make the last digit of a number stored in a variable as zero. (Example - if x=2345 then make it x=2340)

```
#include<stdio.h>
int main()
{
    int i, div, modified_num;
```

```c
    printf("Enter a number ");
    scanf("%d", &i);
    printf("Before modified number is: %d",i);
    div = i / 10;
    modified_num = div*10;
    printf("after modified number is: %d", modified_num);

}
```

11. Write a program to input a number from the user and also input a digit. Append a digit in the number and print the resulting number. (Example - number=234 and digit=9 then the resulting number is 2349)

```c
#include<stdio.h>
int main()
{
    int num, digit, result;
    printf("Enter a number ");
    scanf("%d", &num);
    printf("Enter a digit ");
    scanf("%d",&digit);
    printf("before update our number is: %d",num);
    result = num*10+digit;
    printf("After update our number is: %d", result);
}
```

12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and convert it into USD.

```c
#include<stdio.h>
int main()
{
    float USD1 = 76.23, INR, USD_is;
    printf("Enter ammount INR ");
    scanf("%f",&INR);
    USD_is = INR/USD1;
    printf("%f INR is %f doller",INR,USD_is);
}
```

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

```c
#include<stdio.h>
int main()
{
    int num, remain, result;
    printf("Enter a number ");
    scanf("%d", &num);
    remain = num%10;
    num = num/10;
    result = remain*100 + num;
```

```c
    printf("Rotated number is: %d", result);
}
```