1. Write a C program that will take a character as input and convert it into uppercase if it is given as lowercase and vice-versa.

```c
#include <stdio.h>
#include <ctype.h>
int main()
{
    char ch;
    ch = getchar();
    if(isupper(ch))
    {
        putchar(tolower(ch));
    }
    else{
        putchar(toupper(ch));
    }

    return 0;
}

```

Output:

```
D
d
Process returned 0 (0x0)   execution time : 1.796 s
Press any key to continue.
```

2.Write a C program to perform various formatted input/output operations on floating point numbers.

```c
#include <stdio.h>
int main()
{
    //formatted input
    float f,k,x,y;
    scanf("%f:%f",&x,&y);
    printf("x=%f\ny=%f\n",x,y);
    scanf("%3f%5f",&f,&k);
    printf("f=%f\n%k=%f\n",f,k);

    //formatted output
    float a=9536.8934;
    printf("%8.4f\n",a);
    printf("%8.2f\n",a);
    printf("%-8.2f\n",a);
    printf("%f\n",a);
    printf("%10.2e\n",a);
    printf("%11.4e\n",-a);
    printf("%-10.2e\n",a);
    printf("%e\n",a);
}
```

Output:

```
45.26:56.924
x=45.259998
y=56.924000
4512684.5632
f=451.000000
k=2684.000000
9536.8936
 9536.89
9536.89
9536.893555
 9.54e+003
-9.5369e+003
9.54e+003
9.536894e+003

Process returned 0 (0x0)   execution time : 12.626 s
Press any key to continue.
```

3.Write a C program for converting days into years, months and days.

```c
#include <stdio.h>
int main()
{
    int d1,d,y,m,i;
    printf("Enter Day = \n");
    scanf("%d",&i);
    y=i/365;
    d1=i%365;
    m=d1/30;
    d=d1%30;
    printf("%d Years,%d Months,%d Days",y,m,d);
}
```

Output:

```
Enter Day =
1032
2 Years,10 Months,2 Days
Process returned 0 (0x0)   execution time : 6.733 s
Press any key to continue.
```

4.Write a C program for assigning (1 > 4 || 3 ! = 5) to a variable and print its value.

```c
#include <stdio.h>
int main()
{
    int a;
    a=((1>4)||(3!=5));
    printf("Value = %d",a);

    return 0;
}
```

Output:

```
Value = 1
Process returned 0 (0x0)   execution time : 0.031 s
Press any key to continue.
```

5.Write a C program to check whether a number is even or odd using bitwise operator.

```c
#include <stdio.h>
int main()
{
    int num;
    printf("Enter Number : ");
    scanf("%d",&num);

    if((num & 1)==0)
    {
        printf("%d is Even",num);
    }
    else{
        printf("%d is Odd",num);
    }

    return 0;
}
```

Output:

```
Enter Number : 5
5 is Odd
Process returned 0 (0x0)   execution time : 0.750 s
Press any key to continue.
```