

1. Greatest of two Numbers

#include <stdio.h>

int main()

{

int a, b;

printf("Enter two numbers: ");

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

if (a > b)

{

printf("%d is greater\n", a);

}

else if (b > a)

{

printf("%d is greater\n", b);

}

else

{

printf("Both numbers are equal\n");

}

return 0;

}

2. Leap Year or Not

#include <stdio.h>

int main()

{

int year;

printf("Enter a year: ");

scanf("%d", &year);

if ((year % 400 == 0) || (year % 4 == 0 && year % 100 != 0))

```
{  
    printf("%d is a leap year\n", year);  
}  
else {  
    printf("%d is not a leap year\n");  
}  
return 0;  
}
```

3. Prime Number within a given range

```
#include <stdio.h>  
int main() {  
    int start, end, i, j, count;  
    printf("Enter start value:");  
    scanf("%d", &start);  
    printf("Enter end value:");  
    scanf("%d", &end);  
    printf("Prime numbers between %d and %d are:\n",  
        start, end);  
    for (i = start; i <= end; i++) {  
        if (i < 2)  
            continue;  
        count = 0;  
        for (j = 1; j <= i; j++) {  
            if (i % j == 0) {  
                count++;  
            }  
        }  
        if (count == 2) {  
            printf("%d", i);  
        }  
    }  
}
```

}

}

return 0;

{

4. Sum of digits of a number

#include <stdio.h>

int main ()

{

int num, sum=0, digit;

printf("Enter a number: ");

scanf("%d", &num);

While (num > 0) {

digit = num % 10;

sum = sum + digit;

num = num / 10;

}

printf("Sum of digits = %d\n", sum);

return 0;

{