1001 - Extremely Basic.

```c
#include <stdio.h>

int main()
{
    int A, B, X;
    scanf("%d %d", &A, &B);
    X = A + B;
    printf("X = %d\n", X);

    return 0;
}
```

1002 - Area of a Circle.

```c
#include <stdio.h>

int main()
{
    double R, A;
    scanf("%lf", &R);
    A = 3.14159 * R * R;
    printf("A=%.4lf\n", A);

    return 0;
}
```

1003 - Simple Sum.

```c
#include <stdio.h>

int main()
{
    int x, y;
    scanf("%d\n%d", &x, &y);
    printf("SOMA = %d\n", x + y);

    return 0;
}
```

1004 – Simple Product.

```c
#include <stdio.h>

int main()
{
    int A, B, X;
    scanf("%d \n%d", &A, &B);
    X = A * B;
    printf("PROD = %d\n", X);

    return 0;
}
```

2747- Output 1.

```c
#include <stdio.h>

int main()
{
    printf("----------------------------------------\n");
    printf("|                                      |\n");
    printf("|                                      |\n");
    printf("|                                      |\n");
    printf("|                                      |\n");
    printf("|                                      |\n");
    printf("----------------------------------------\n");

    return 0;
}
```

2748 – Output 2.

```c
#include <stdio.h>

int main()
{
    printf("----------------------------------------\n");
    printf("|        Roberto                       |\n");
    printf("|                                      |\n");
    printf("|        5786                          |\n");
    printf("|                                      |\n");
    printf("|        UNIFEI                        |\n");
    printf("----------------------------------------\n");

    return 0;
}
```

2756 – Output 10.

```c
#include <stdio.h>

int main()
{
    printf("       A\n");
    printf("      B B\n");
    printf("     C   C\n");
    printf("    D     D\n");
    printf("   E       E\n");
    printf("    D     D\n");
    printf("     C   C\n");
    printf("      B B\n");
    printf("       A\n");

    return 0;
}
```

1007 – Difference.

```c
#include <stdio.h>

int main()
{
    int A, B, C, D, X;
    scanf("%d\n%d\n%d\n%d", &A, &B, &C, &D);
    X = A * B - C * D;
    printf("DIFERENCA = %d\n", X);

    return 0;
}
```

1013 – The Greatest.

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

int main()
{
    int a, b, c, d;
    scanf("%d %d %d", &a, &b, &c);
    d = (a + b + abs(a - b)) / 2;
    d = (d + c + abs(d - c)) / 2;
    printf("%d eh o maior\n", d);

    return 0;
}
```

2749 – Output 3.

```c
#include <stdio.h>

int main()
{
    int x;

    printf("----------------------------------------n");
    printf("|x = 35                                |n");
    printf("|                                      |n");
    printf("|               x = 35                 |n");
    printf("|                                      |n");
    printf("|                                x = 35|n");
    printf("----------------------------------------n");

    return 0;
}
```

2753 – Output 7.

```c
#include<stdio.h>
int main()
{
    printf("97 e a\n");
    printf("98 e b\n");
    printf("99 e c\n");
    printf("100 e d\n");
    printf("101 e e\n");
    printf("102 e f\n");
    printf("103 e g\n");
    printf("104 e h\n");
    printf("105 e i\n");
    printf("106 e j\n");
    printf("107 e k\n");
    printf("108 e l\n");
    printf("109 e m\n");
    printf("110 e n\n");
    printf("111 e o\n");
    printf("112 e p\n");
    printf("113 e q\n");
    printf("114 e r\n");
    printf("115 e s\n");
    printf("116 e t\n");
    printf("117 e u\n");
    printf("118 e v\n");
    printf("119 e w\n");
    printf("120 e x\n");
    printf("121 e y\n");
    printf("122 e z\n");
    return 0;
}
```

2750 – Output 4.

```c
#include <stdio.h>
int main()
{
printf("---------------------------------------\n");
printf("|  decimal  |  octal  |  Hexadecimal  |\n");
printf("---------------------------------------\n");
printf("|      0    |    0    |       0       |\n");
printf("|      1    |    1    |       1       |\n");
printf("|      2    |    2    |       2       |\n");
printf("|      3    |    3    |       3       |\n");
printf("|      4    |    4    |       4       |\n");
printf("|      5    |    5    |       5       |\n");
printf("|      6    |    6    |       6       |\n");
printf("|      7    |    7    |       7       |\n");
printf("|      8    |   10    |       8       |\n");
printf("|      9    |   11    |       9       |\n");
printf("|     10    |   12    |       A       |\n");
printf("|     11    |   13    |       B       |\n");
printf("|     12    |   14    |       C       |\n");
printf("|     13    |   15    |       D       |\n");
printf("|     14    |   16    |       E       |\n");
printf("|     15    |   17    |       F       |\n");
printf("---------------------------------------\n");
}
```

2754 – Output 8.

```c
#include <stdio.h>

int main()
{
    printf("234.345000 - 45.698000\n");
    printf("234 - 46\n");
    printf("234.3 - 45.7\n");
    printf("234.34 - 45.70\n");
    printf("234.345 - 45.698\n");
    printf("2.343450e+02 - 4.569800e+01\n");
    printf("2.343450E+02 - 4.569800E+01\n");
    printf("234.345 - 45.698\n");
    printf("234.345 - 45.698\n");

    return 0;
}
```

2755 – Output 9.

```c
#include <stdio.h>

int main()
{
    printf("\"Ro'b'er\tto\\/\"\n");
    printf("(._.) ( l: ) ( .-. ) ( :l ) (._.)\n");
    printf("(^_-) (-_-) (-_^)\n");
    printf("(\"_\") ('.')\n");

    return 0;
}
```

2759 – Input and Output Character.

```c
#include <stdio.h>

int main()
{
    char a, b, c;
    scanf("%c\n%c\n%c", &a, &b, &c);

    printf("A = %c, B = %c, C = %c\n", a, b, c);
    printf("A = %c, B = %c, C = %c\n", b, c, a);
    printf("A = %c, B = %c, C = %c\n", c, a, b);

    return 0;
}
```

1005 – Average 1.

```c
#include <stdio.h>

int main()
{
    float A, B, med;
    scanf("%f %f", &A, &B);
    med = ((A * 3.5) + (B * 7.5)) / (3.5 + 7.5);
    printf("MEDIA = %.5f\n", med);

    return 0;
}
```

1015 – Distance Between Two Points.

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

int main()
{
    double x1, y1, x2, y2, p1, p2, distance;
    scanf("%lf %lf %lf %lf", &x1, &y1, &x2, &y2);
    p1 = x2 - x1;
    p2 = y2 - y1;

    distance = sqrt((p1 * p1) + (p2 * p2));

    printf("%.4lf\n", distance);

    return 0;
}
```

1019 – Time Conversion.

```c
#include <stdio.h>

int main()
{
    int H, M, S, N;
    scanf("%d", &N);

    H = N / 3600;
    M = N % 3600 / 60;
    S = N % 60;
    printf("%d:%d:%d\n", H, M, S);

    return 0;
}
```

1037 – Interval.

```c
#include <stdio.h>

int main()
{
    float a;
    scanf("%f", &a);
    if (a < 0 || a>100)
    {
        printf("Fora de intervalo\n");
    }
    else if (a >= 0 && a <= 25)
    {
        printf("Intervalo [0,25]\n");
    }
    else if (a > 25 && a <= 50)
    {
        printf("Intervalo (25,50]\n");
    }
    else if (a > 50 && a <= 75)
    {
        printf("Intervalo (50,75]\n");
    }
    else if (a > 75 && a <= 100)
    {
        printf("Intervalo (75,100]\n");
    }

    return 0;
}
```

1038 – Snack.

```c
#include <stdio.h>

int main()
{
    int X, Y;
    float price = 0;

    scanf("%d %d", &X, &Y);
    if (X == 1)
    {
        price = (float)(4.00 * Y);
    }
    else if (X == 2)
    {
        price = (float)(4.50 * Y);
    }
    else if (X == 3)
    {
        price = (float)(5.00 * Y);
    }
    else if (X == 4)
    {
        price = (float)(2.00 * Y);
    }
    else if (X == 5)
    {
        price = (float)(1.50 * Y);
    }
    printf("Total: R$ %.2f\n", price);

    return 0;
}
```

1043 – Triangle.

```c
#include <stdio.h>

int main()
{
    float a, b, c, d, e;
    scanf("%f%f%f", &a, &b, &c);
    d = a + b + c;
    e = .5 * (a + b) * c;

    if ((a + b) > c && (b + c) > a && (c + a) > b)
    {
        printf("Perimetro = %.1f\n", d);
    }
    else
    {
        printf("Area = %.1f\n", e);
    }

    return 0;
}
```

1044 – Multiples.

```c
#include <stdio.h>

int main()
{
    int A, B;
    scanf("%d %d", &A, &B);
    if (A % B == 0 || B % A == 0)
    {
        printf("Sao Multiplos\n");
    }
    else
    {
        printf("Nao sao Multiplos\n");
    }

    return 0;
}
```

1045 – Triangle Types.

```c
#include <stdio.h>

int main()
{

    double a, b, c, temp;
    scanf("%lf %lf %lf", &a, &b, &c);

    if (a < b)
    {
        temp = a;
        a = b;
        b = temp;
    }
    if (b < c)
    {
        temp = b;
        b = c;
        c = temp;
    }

    if (a < b)
    {
        temp = a;
        a = b;
        b = temp;
    }
    if (a >= b + c)
    {
        printf("NAO FORMA TRIANGULO\n");
    }
    else if (a * a == b * b + c * c)
```

```
    {
        printf("TRIANGULO RETANGULO\n");
    }
    else if (a * a > b * b + c * c)
    {
        printf("TRIANGULO OBTUSANGULO\n");
    }
    else if (a * a < b * b + c * c)
    {
        printf("TRIANGULO ACUTANGULO\n");
    }
    if (a == b && b == c)
    {
        printf("TRIANGULO EQUILATERO\n");
    }
    if ((a == b && a != c) || (a == c && a != b) ||
(b == c && b != a))
    {
        printf("TRIANGULO ISOSCELES\n");
    }

    return 0;
}
```

2762 – Input and Output 6.

```c
#include <stdio.h>

int main()
{
    int a, b;
    scanf("%d.%d", &a, &b);
    printf("%d.%d\n", b, a);

    return 0;
}
```

1050 – DDD.

```c
#include <stdio.h>

int main()
{
    int a;
    scanf("%i", &a);

    if (a == 61)
    {
        printf("Brasilia\n");
    }
    else if (a == 71)
    {
        printf("Salvador\n");
    }
    else if (a == 11)
    {
        printf("Sao Paulo\n");
    }
    else if (a == 21)
    {
        printf("Rio de Janeiro\n");
    }
    else if (a == 32)
    {
        printf("Juiz de Fora\n");
    }
    else if (a == 19)
    {
```

```
        printf("Campinas\n");
    }
    else if (a == 27)
    {
        printf("Vitoria\n");
    }
    else if (a == 31)
    {
        printf("Belo Horizonte\n");
    }
    else
    {
        printf("DDD nao cadastrado\n");
    }

    return 0;
}
```

1052 – Month.

```c
#include<stdio.h>
int main()
{
    int N;
    scanf("%d", &N);
    switch (N)
    {
    case 1:
        printf("January\n");
        break;
    case 2:
        printf("February\n");
        break;
    case 3:
        printf("March\n");
        break;
    case 4:
        printf("April\n");
        break;
    case 5:
        printf("May\n");
        break;
    case 6:
        printf("June\n");
        break;
    case 7:
        printf("July\n");
        break;
    case 8:
        printf("August\n");
        break;
    case 9:
```

```
            printf("September\n");
            break;
        case 10:
            printf("October\n");
            break;
        case 11:
            printf("November\n");
            break;
        case 12:
            printf("December\n");
            break;

        default:
            printf("Enter right number\n");
            break;
        }
        getch();
}
```

1546 – Feedback.

```c
#include <stdio.h>

int main()
{
    int i, j, n, k, code;

    //printf("Please enter how many test case you want = ");
    scanf("%d", &n);
    for (i = 1; i <= n; i++)
    {
        //printf("Total response of the day = ");
        scanf("%d", &k);
        for (j = 1; j <= k; j++)
        {
            scanf("%d", &code);
            if (code == 1)
                printf("Rolien\n");
            else if (code == 2)
                printf("Naez\n");
            else if (code == 3)
                printf("Eleheim\n");
            else if (code == 4)
                printf("Odranoel\n");
        }
    }

    return 0;
}
```

1985 – MacPRONALTS.

```c
#include <stdio.h>
int main()
{
    int test, code, quantity;
    double amount = 0.0;
    scanf("%d", &test);

    while (test--)
    {
        //printf("Please enter code and quantity = ");
        scanf("%d %d", &code, &quantity);

        if (code == 1001)
            amount = amount + (double)quantity * 1.50;
        else if (code == 1002)
            amount = amount + (double)quantity * 2.50;
        else if (code == 1003)
            amount = amount + (double)quantity * 3.50;
        else if (code == 1004)
            amount = amount + (double)quantity * 4.50;
        else if (code == 1005)
            amount = amount + (double)quantity * 5.50;
    }

    printf("The total amount is = %.2lf\n", amount);

    getch();
}
```

2313 – Which Triangle.

```c
#include <stdio.h>

int main()
{
    int a, b, c;
    scanf("%d %d %d", &a, &b, &c);

    if ((b + c > a) && (a + c > b) && (b + a > c))
    {

        if (a == b || b == c)
        {
            printf("Valido-Equilatero\n");
        }
        else if (a == b || a == c || b == c)
        {
            printf("Valido-Isoceles\n");
        }
        else
        {
            printf("Valido-Escaleno\n");
        }

        if (((a * a) == (b * b) + (c * c)) || (b * b)
== (a * a) + (c * c) || (c * c) == (a * a) + (b * b))
        {
            printf("Retangulo:S\n");
        }
        else
        {
            printf("Rectangulo:N\n");
        }
```

```
    }
    else
    {
        printf("Invalido\n");
    }

    return 0;
}
```

1075 – Remaining 2.

```c
#include <stdio.h>

int main()
{
    int i, N;
    scanf("%d", &N);
    for (i = 1; i <= 10000; i++)
    {
        if (i % N == 2)
            printf("%d\n", i);
    }

    return 0;
}
```

1080 – Highest and Position.

```c
#include <stdio.h>

int main()
{
    int i, j, n, max=0;

    for (i = 1; i <= 5; i++)
    {
        scanf("%d", &n);

        if (max < n)
        {
            max = n;
            j = i;
        }
    }

    //printf("The maximum number is = \n");
    printf("%d\n", max);
    //printf("The position of maximum number is = \n");
    printf("%d\n", j);

    getch();
}
```

1097 – Sequence IJ3.

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

    for (i = 1, j = 7; j >= 5; j--)
        printf("I=%d J=%d\n", i, j);

    for (i = 3, j = 9; j >= 7; j--)
        printf("I=%d J=%d\n", i, j);

    for (i = 5, j = 11; j >= 9; j--)
        printf("I=%d J=%d\n", i, j);

    for (i = 7, j = 13; j >= 11; j--)
        printf("I=%d J=%d\n", i, j);

    for (i = 9, j = 15; j >= 13; j--)
        printf("I=%d J=%d\n", i, j);

    return 0;
}
```

1101 – Sequence of Number and Sum.

```c
#include <stdio.h>

int main()
{
    int a, b, c = 0, i;

    while (1)
    {
        scanf("%d %d", &a, &b);

        if (a <= 0 || b <= 0)
        {
            break;
        }
        else
        {
            //c = 0;
            if (a > b)
            {
                for (i = b; i <= a; i++)
                {
                    printf("%d ", i);
                    c = c + i;
                }
                printf("Sum = %d\n", c);
            }
            else if (a < b)
            {
                for (i =a; i <= b; i++)
                {
                    printf("%d ", i);
                    c = c + i;
```

```
                    }
                    printf("Sum = %d\n", c);
                }
            }
        }

        return 0;
    }
```

1132 – Multiple of 13.

```c
#include <stdio.h>

int main()
{
    int x, y, i, total = 0;
    scanf("%d%d", &x, &y);
    if (x > y)
    {
        for (i = y; i <= x; i++)
            if (i % 13 != 0)
                total += i;
    }
    else if (x < y)
    {
        for (i = x; i <= y; i++)
            if (i % 13 != 0)
                total += i;
    }
    printf("%d\n", total);

    return 0;
}
```

1134 – Type of Fuel.

```c
#include <stdio.h>

int main()
{
    int a, x = 0, y = 0, z = 0;
    while (1)
    {
        scanf("%d", &a);
        if (a == 4)
            break;
        else
        {
            if (a == 1)
                x++;
            else if (a == 2)
                y++;
            else if (a == 3)
                z++;
           // else continue;
        }
    }
    printf("MUITO OBRIGADO\n");
    printf("Alcool: %d\n", x);
    printf("Gasolina: %d\n", y);
    printf("Diesel: %d\n", z);
    return 0;
}
```

1113 – Ascending and Descending.

```c
#include <stdio.h>

int main()
{
    int a, b;

    while (1)
    {
        scanf("%d %d", &a, &b);
        if (a == b)
        {
            break;
        }
        else
        {
            if (a < b)
                printf("Crescente\n");
            else
                printf("Decrescente\n");
        }
    }

    return 0;
}
```

1114 – Fixed Password.

```c
#include <stdio.h>

int main()
{
    int x;

    while (1)
    {
        scanf("%d", &x);
        if (x == 2002)
        {
            printf("Acesso Permitido\n");
            break;
        }
        else
        {
            printf("Senha Invalida\n");
        }
    }

    return 0;
}
```

1179 – Array Fill IV.

```
#include <stdio.h>

int main()
{
    int i,j = 0, k = 0, a, b, even[5], odd[5], num[50];
    int totaleven = 0, totalodd = 0;
    //printf("Enter Numbers = ");
    for (i = 0; i < 15; i++)
    {
        scanf("%d", &num[i]);
    }
    for (i = 0; i < 15; i++)
    {
        if (num[i] % 2 == 0)
        {
            even[j] = num[i];
            j++;
            totaleven++;

            if (j == 5)
            {
                for (a = 0; a < 5; a++)
                {
                    printf("even[%d] = %d\n", a, even[a]);
                    even[a] = 0;
                }
                j = 0;
                totaleven = totaleven - 5;
            }
        }
```

```
        else
        {
            odd[k] = num[i];
            k++;
            totalodd++;

            if (k == 5)
            {
                for (b = 0; b < 5; b++)
                {
                    printf("odd[%d] = %d\n", b, odd[b]);
                    odd[b] = 0;
                }
                k = 0;
                totalodd = totalodd - 5;
            }
        }
    }

    for (b = 0; b < totaleven; b++)
    {
        printf("even[%d] = %d\n", b, even[b]);
    }
    for (b = 0; b < totalodd; b++)
    {
        printf("odd[%d] = %d\n", b, odd[b]);
    }

    getch();
}
```

1145 – Logical Sequence.

```c
#include <stdio.h>

int main()
{
    int x, y, i, j = 0;
    scanf("%d %d", &x, &y);

    for (i = 1; i <= y; i++)
    {
        j++;
        printf("%d", i);
        if (j == x || i == y)
        {
            printf("\n");
            j = 0;
        }
        else
        {
            printf(" ");
        }

    }
    return 0;
}
```

1171 – Number Frequence.

```c
#include <stdio.h>

int main()
{
    int n, a, num[3000], i;

    for (i = 1; i <= 2000; i++)
    {
        num[i] = 0;
    }

    //printf("How many test cases = ");
    scanf("%d", &n);
    //printf("Enter %d numbers\n", n);
    for (i = 0; i < n; i++)
    {
        scanf("%d", &a);
        num[a]++;
    }
    for (i = 1; i <= 2000; i++)
    {
        if (num[i] > 0)
        {
            printf("%d appear %d times\n", i, num[i]);
        }
    }

    return 0;
}
```

1151 – Easy Fibonacci.

```c
#include <stdio.h>

int main()
{
    int first = 0, second = 1, count = 0, fibo, n;

    scanf("%d", &n);

    while (count < n)
    {
        if (count <= 1)
        {
            fibo = count;
        }
        else
        {
            fibo = first + second;
            first = second;
            second = fibo;
        }
        printf("%d ", fibo);
        count++;
    }

    return 0;
}
```

1180 – Lowest Number and Position.

```c
#include <stdio.h>

int main()
{
    int n, i, num[100], p=0;

    scanf("%d", &n);

    for (i = 0; i < n; i++)
    {
        scanf("%d", &num[i]);
    }

    int min = num[p];

    for (i = 1; i < n; i++)
    {
        if (min > num[i])
        {
            min = num[i];
            p = i;
        }
    }

    printf("Menor valor: %d\n", min);
    printf("Posicao: %d\n", p);

    return 0;
}
```

1858 – Theon's Answer.

```c
#include <stdio.h>

int main()
{
    int n, i, num[100], p, y = 1;
    //printf("How many numbers = ");
    scanf("%d", &n);
    //printf("Enter your numbers = ");
    for (i = 0; i < n; i++)
    {
        scanf("%d", &num[i]);
    }

    int min = num[0];
    for (i = 1; i < n; i++)
    {
        if (min > num[i])
        {
            min = num[i];
            p = i + y;
        }
    }
    //printf("The minimum value is = %d\n", min);
    printf("The position is = %d\n", p);

    return 0;
}
```

2172- Event.

```c
#include <stdio.h>

int main()
{
    int X, M;

    while (1)
    {
        scanf("%d %d", &X, &M);
        if (X == 0 && M == 0)
        {
            break;
        }
        else
        {
            printf("%d", X * M);
        }

    }

    return 0;
}
```

1049 – Animal.

```c
#include <stdio.h>

int main()
{
    char a[15];
    char b[15];
    char c[15];
    scanf("%s", &a);
    scanf("%s", &b);
    scanf("%s", &c);

    if (a[0] == 'v' && b[0] == 'a' && c[0] == 'c')
        printf("aguia\n");
    if (a[0] == 'v' && b[0] == 'a' && c[0] == 'o')
        printf("pomba\n");
    if (a[0] == 'v' && b[0] == 'm' && c[0] == 'o')
        printf("homem\n");
    if (a[0] == 'v' && b[0] == 'm' && c[0] == 'h')
        printf("vaca\n");
    if (a[0] == 'i' && b[0] == 'i' && c[2] == 'm')
        printf("pulga\n");
    if (a[0] == 'i' && b[0] == 'i' && c[2] == 'r')
        printf("lagarta\n");
    if (a[0] == 'i' && b[0] == 'a' && c[0] == 'h')
        printf("sanguessuga\n");
    if (a[0] == 'i' && b[0] == 'a' && c[0] == 'o')
        printf("minhoca\n");

    return 0;
}
```

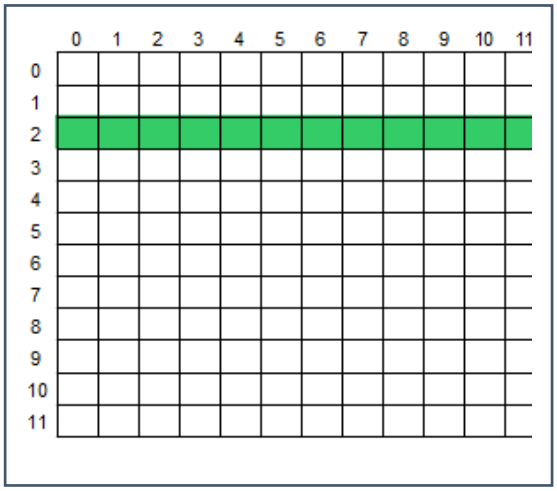
1172 – Array Replacement.

```c
#include <stdio.h>

int main()
{
    int i, a[11];
    for (i = 1; i <= 10; i++)
    {
        scanf("%d", &a[i]);
        if (a[i] <= 0)
        {
          a[i] = 1;
        }
       printf("X[%d] = %d\n", i - 1, a[i]);
    }

    return 0;
}
```

1176 – Fibonacci Array.

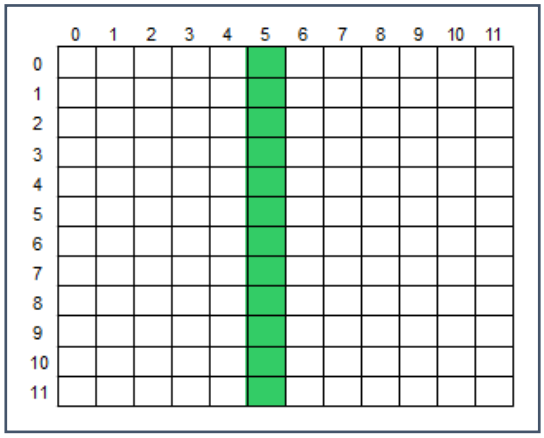
```c
#include <stdio.h>

int main()
{
    int i, n, k;
    int N[61];

    N[0] = 0;
    N[1] = 1;

    for (i = 2; i < 61; i++)
    {
        N[i] = N[i - 1] + N[i - 2];
    }

    scanf("%d", &n);
    for (i = 0; i < n; i++)
    {
        scanf("%d", &k);
        printf("Fib(%d) = %d\n", k, N[k]);
    }

    return 0;
}
```

1181 – Line in Array.



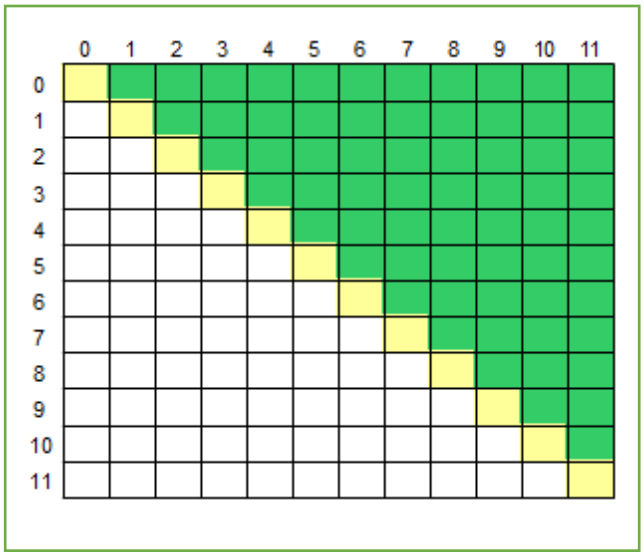

```c
#include <stdio.h>

int main()
{
    double N[12][12], sum = 0;
    int i, j, k = 0;
    char ch[2];
    scanf("%d %s", &k, &ch);

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 0; i < 12; i++)
    {
        sum = sum + N[k][i];
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else if (ch[0] == 'M')
        printf("%.1lf\n", sum / 12);

    return 0;
}
```

1182 – Column in Array.



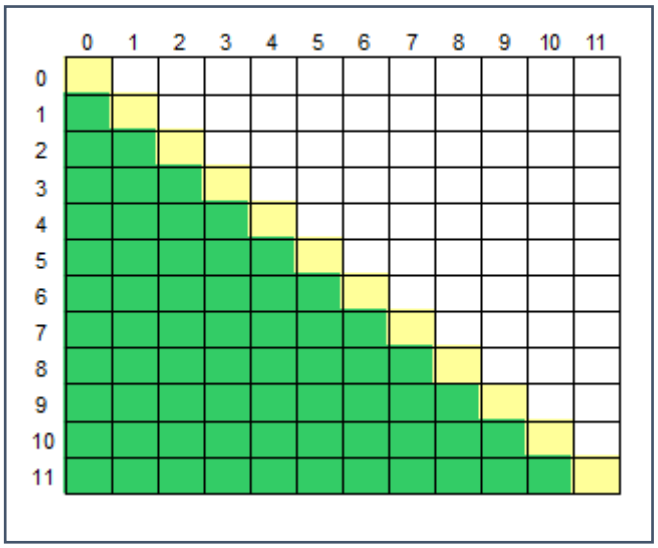

```c
#include <stdio.h>

int main()
{
    double N[12][12], sum = 0;
    int i, j, k = 0;
    char ch[2];
    scanf("%d %s", &k, &ch);

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 0; i < 12; i++)
    {
        sum = sum + N[i][k];
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else if (ch[0] == 'M')
        printf("%.1lf\n", sum / 12);

    return 0;
}
```

1183 – Above the Main Diagonal.



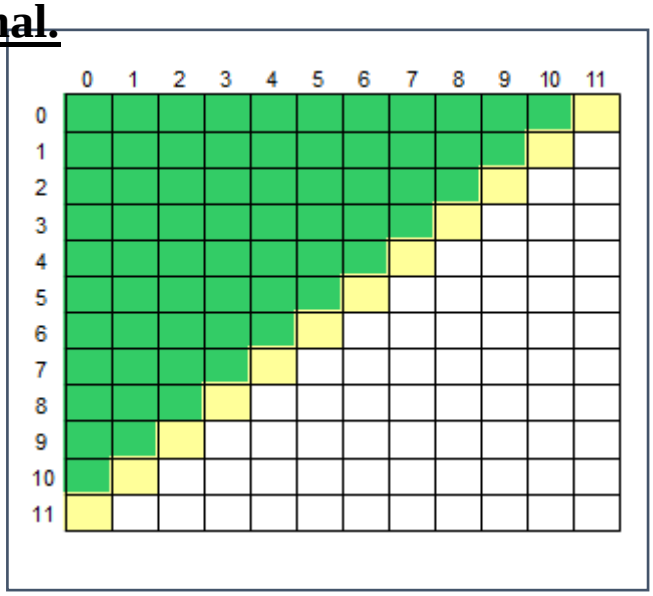

```c
#include <stdio.h>

int main()
{
    double N[12][12], sum = 0;
    char c[2];
    scanf("%s", &c);
    int n = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 0; i < 12; i++)
    {
        for (j = n; j < 12; j++)
        {
            sum = sum + N[i][j];
        }
        n++;
    }
    if (c[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 66.0);

    return 0;
}
```

1184 – Below the Main Diagonal.



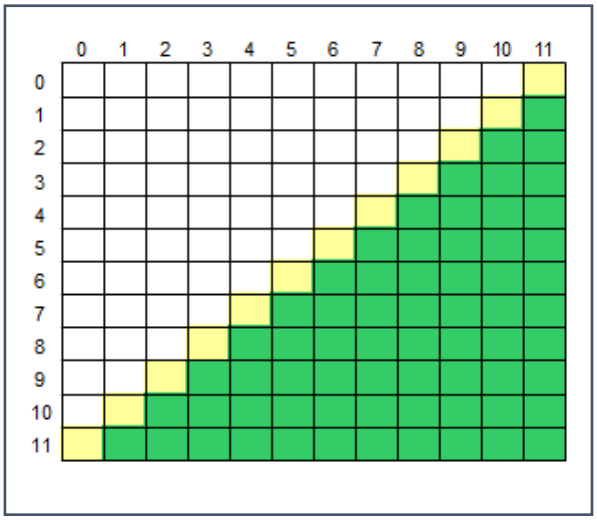

```c
#include <stdio.h>

int main()
{
    double N[12][12], sum =0;
    char c[2];
    scanf("%s", &c);
    int n = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 1; i < 12; i++)
    {
        for (j = 0; j < n; j++)
        {
            sum = sum + N[i][j];
        }
        n++;
    }
    if (c[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 66.0);

    return 0;
}
```

1185 – Above the Secondary Diagonal.



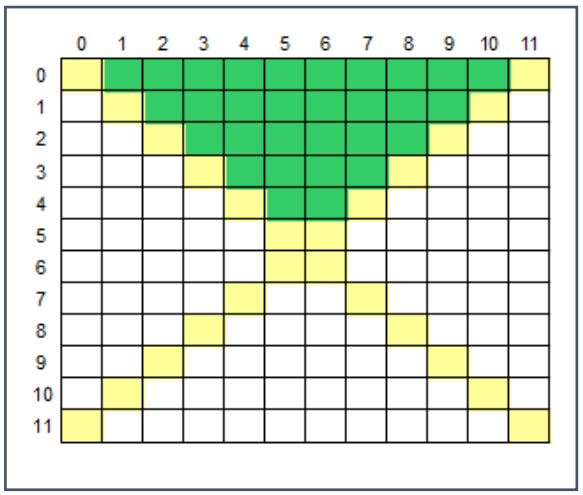

```c
#include <stdio.h>

int main()
{
    double N[12][12], sum = 0;
    char c[2];
    scanf("%s", &c);
    int n = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 10; i >= 0; i--)
    {
        for (j = 0; j < n; j++)
        {
            sum = sum + N[i][j];
        }
        n++;
    }
    if (c[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 66.0);

    return 0;
}
```

1186 – Below the Secondary Diagonal.



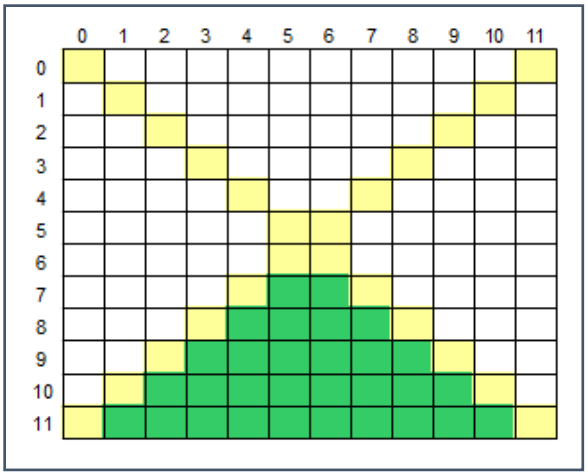

```c
#include <stdio.h>
int main()
{
    double N[12][12], sum = 0;
    char c[2];
    scanf("%s", &c);
    int n = 11, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (i = 1; i < 12; i++)
    {
        for (j = n; j < 12; j++)
        {
            sum = sum + N[i][j];
        }
        n--;
    }
    if (c[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 66.0);
    return 0;
}
```

1187 – Top Area.



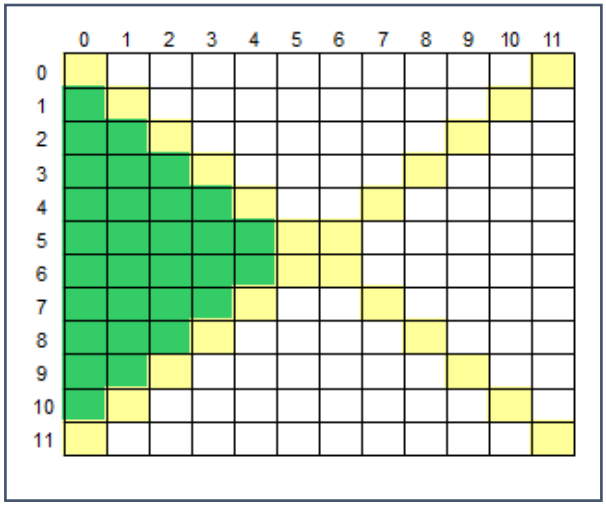

```c
#include <stdio.h>

int main()
{
    double M[12][12], sum = 0.0;
    char ch[2];
    scanf("%s", &ch);
    int n = 11, a = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &M[i][j]);
        }
    }
    for (i = 0; i < 5; i++)
    {
        for (j = a; j < n; j++)
        {
            sum = sum + M[i][j];
        }
        n--;
        a++;
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 30.0);

    return 0;
}
```

1188 – Inferior Area.



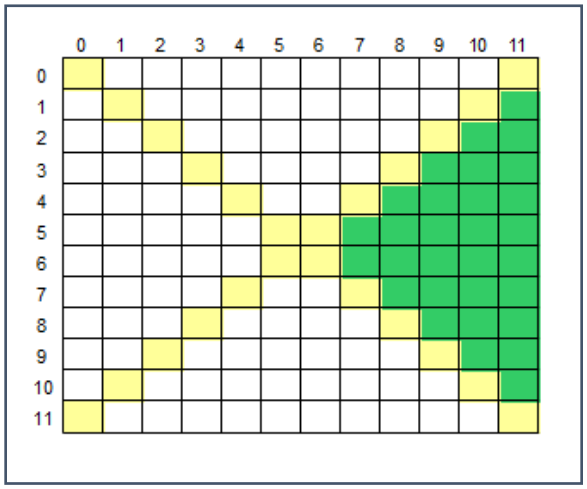

```c
#include <stdio.h>

int main()
{
    double M[12][12], sum = 0.0;
    char ch[2];
    scanf("%s", &ch);
    int n = 11, a = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &M[i][j]);
        }
    }
    for (i = 11; i > 6; i--)
    {
        for (j = a; j < n; j++)
        {
            sum += M[i][j];
        }
        n--;
        a++;
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 30.0);

    return 0;
}
```

1189 – Left Area.




```c
#include <stdio.h>

int main()
{
    double M[12][12], sum = 0.0;
    char ch[2];
    scanf("%s", &ch);
    int n = 11, a = 1, i, j;

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &M[i][j]);
        }
    }
    for (j = 0; j < 5; j++)
    {
        for (i = a; i < n; i++)
        {
            sum = sum + M[i][j];
        }
        n--;
        a++;
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 30.0);

    return 0;
}
```

1190 – Right Area.




```c
#include <stdio.h>

int main()
{
    double N[12][12], sum = 0;
    char ch[2];
    int i, j, n = 1, m = 10;
    scanf("%s", ch);

    for (i = 0; i < 12; i++)
    {
        for (j = 0; j < 12; j++)
        {
            scanf("%lf", &N[i][j]);
        }
    }
    for (j = 11; j > 6; j--)
    {
        for (i = n; i <= m; i++)
        {
            sum = sum + N[i][j];
        }
        n++;
        m--;
    }
    if (ch[0] == 'S')
        printf("%.1lf\n", sum);
    else
        printf("%.1lf\n", sum / 30.0);

    return 0;
}
```

1864 – Our Days Are Never Coming Back.

```c
#include<stdio.h>
//#include<string.h>

int main()
{
    int i, n;
    char ch[35];

   strcpy(ch, "LIFE IS NOT A PROBLEM TO BE SOLVED");

    while (scanf("%d", &n) != EOF)
    {
        for (i = 0; i < n; i++)
        {
            printf("%c", ch[i]);
        }
        printf("\n");
    }

    return 0;
}
```

1865 – Mjolnir.

```c
#include <stdio.h>

int main()
{
    int n, i, x;
    char ara[1000];

    scanf("%d", &n);
    for (i = 0; i < n; i++)
    {
        scanf("%s", &ara);
        scanf("%d", &x);

        if (ara[0] == 'T' && ara[1] == 'h' &&
ara[2] == 'o' && ara[3] == 'r')
        {
            printf("Y\n");
        }
        else
        {
            printf("N\n");
        }
    }

    return 0;
}
```

11185 – UVA(Ternary).

```c
#include <stdio.h>

int main()
{
    int x[100], a, b, c, i, j;
    while (scanf("%d", &a) == 1)
    {
        if (a < 0)
        {
            break;
        }
        for (i = 0; i>=0 ; i++)
        {
            b = a % 3;
            x[i] = b;
            a = a / 3;
            if (a == 0)
            {
                break;
            }
        }
        for (j = i; j >= 0; j--)
        {
            printf("%d", x[j]);
        }
        printf("\n");
    }

    return 0;
}
```

Codeforces – 959(A).

```c
#include <stdio.h>

int main()
{
    int n;
    scanf("%d", &n);
    if (n % 2 == 0)
    {
        printf("Mahmoud\n");
    }
    else
    {
        printf("Ehab\n");
    }

    return 0;
}
```

2758 – Floating Number Input and Output.

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

int main()
{
    float a, b;
    double c, d;
    scanf("%f %f %lf %lf", &a, &b, &c, &d);
    printf("A = %.6lf, B = %.6lf\nC = %.6lf, D = %.6lf\n", a, b, c, d);

    printf("A = %.1lf, B = %.1lf\nC = %.1lf, D = %.1lf\n", a, b, c, d);

    printf("A = %.2lf, B = %.2lf\nC = %.2lf, D = %.2lf\n", a, b, c, d);

    printf("A = %.3lf, B = %.3lf\nC = %.3lf, D = %.3lf\n", a, b, c, d);

    printf("A = %.3E, B = %.3E\nC = %.3E, D = %.3E\n", a, b, c, d);

    printf("A = %.0f, B = %.0f\nC = %.0f, D = %.0f\n", a, b, c, d);

    return 0;
}
```

2763 – CPF Input and Output.

```c
#include <stdio.h>

int main()
{
    int x, y, z, D;
    scanf("%d.%d.%d-%d", &x, &y, &z, &D);

    printf("%.3d\n%.3d\n%.3d\n%.2d\n", x, y, z, D);


    return 0;
}
```

2764 – Date Input and Output.

```c
#include <stdio.h>

int main()
{
    int x, y, z;
    scanf("%d/%d/%d", &x, &y, &z);

    printf("%.2d/%.2d/%.2d\n", y, x, z);
    printf("%.2d/%.2d/%.2d\n", z, y, x);
    printf("%.2d-%.2d-%.2d\n", x, y, z);


    return 0;
}
```

2757 – Input and Output Integers.

```c
#include <stdio.h>

int main()
{
    int a, b, c;
    scanf("%d %d %d", &a, &b, &c);

    printf("A = %d, B = %d, C = %d\n", a, b, c);
    printf("A = %10d, B = %10d, C = %10d\n", a, b, c);
    printf("A = %010d, B = %010d, C = %010d\n", a, b, c);
    printf("A = %-10d, B = %-10d, C = %-10d\n", a, b, c);

    return 0;
}
```

2752 – Output 6

```c
#include <stdio.h>

int main()
{
    char a[50] = "AMO FAZER EXERCICIO NO URI";

    printf("<%s>\n", a);
    printf("<%30s>\n", a);
    printf("<%.20s>\n", a);
    printf("<%-20s>\n", a);
    printf("<%-30s>\n", a);
    printf("<%.30s>\n", a);
    printf("<%30.20s>\n", a);
    printf("<%-30.20s>\n", a);

    return 0;
}
```

2342 – Overflow.

```c
#include <stdio.h>

int main()
{
     int N, P, Q;
     char Ch;
     scanf("%d", &N);
     scanf("%d %c %d", &P, &Ch, &Q);

     if(Ch == '+')
          if (N >= (P + Q))
          {
          printf("OK\n");
          }
          else
          {
          printf("OVERFLOW\n");
          }
     else
          if(N >= (P * Q))
          {
          printf("OK\n");
          }
          else
          {
          printf("OVERFLOW\n");
          }

     return 0;
}
```