

```
#include <stdio.h>

int main() {
    int i, sum = 0;

    for (i = 2; i <= 100; i += 2) {
        sum += i;
    }

    printf("The sum of even numbers from 1 to 100 is %d\n", sum);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int num, i = 1;

    printf("Enter a number: ");
    scanf("%d", &num);

    while (i <= 10) {
        printf("%d x %d = %d\n", num, i, num * i);
        i++;
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int num, sum = 0;

    do {
        printf("Enter a number (0 to stop): ");
        scanf("%d", &num);
        sum += num;
    } while (num != 0);

    printf("Total sum = %d\n", sum);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i;
    float grade, total = 0, avg;

    for (i = 1; i <= 5; i++) {
        printf("Enter grade %d: ", i);
        scanf("%f", &grade);
        total += grade;
    }

    avg = total / 5;
    printf("Average grade = %.2f\n", avg);

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i = 1, count = 0;

    while (i <= 50) {
        if (i % 2 != 0) {
            count++;
        }
        i++;
    }

    printf("There are %d odd numbers between 1 and 50.\n", count);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i, j;

    for (i = 1; i <= 5; i++) {
        for (j = 1; j <= i; j++) {
            printf("*");
        }
        printf("\n");
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i;

    for (i = 10; i >= 1; i--) {
        printf("%d ", i);
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int num, sum = 0, digit;

    printf("Enter a number: ");
    scanf("%d", &num);

    while (num > 0) {
        digit = num % 10;
        sum += digit;
        num /= 10;
    }

    printf("Sum of digits = %d\n", sum);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int n, first = 0, second = 1, next, i;

    printf("Enter number of terms: ");
    scanf("%d", &n);

    printf("Fibonacci Series: ");
    for (i = 1; i <= n; i++) {
        printf("%d ", first);
        next = first + second;
        first = second;
        second = next;
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int n, i, sum = 0;

    printf("Enter a number: ");
    scanf("%d", &n);

    for (i = 1; i <= n; i++) {
        sum += i;
    }

    printf("Sum of series = %d\n", sum);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i, j;

    for (i = 5; i >= 1; i--) {
        for (j = 1; j <= i; j++) {
            printf("%d ", j);
        }
        printf("\n");
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int num, sum;

    printf("Enter a number: ");
    scanf("%d", &num);

    while (num >= 10) {
        sum = 0;
        while (num != 0) {
            sum += num % 10;
            num /= 10;
        }
        num = sum;
    }

    printf("Final single digit = %d\n", num);
    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i, j;
    char ch = 'A';

    for (i = 1; i <= 5; i++) {
        for (j = 1; j <= i; j++) {
            printf("%c ", ch++);
        }
        printf("\n");
    }

    return 0;
}
```

```
#include <stdio.h>

int main() {
    int i, j, rows;

    printf("Enter number of rows: ");
    scanf("%d", &rows);

    for (i = 1; i <= rows; i++) {
        for (j = 1; j <= i; j++) {
            printf("* ");
        }
        printf("\n");
    }

    return 0;
}
```