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#include <stdio.h>

// Basic for loop
void basic_for_loop() {
    printf("Basic For Loop:\n");
    for (int i = 1; i <= 5; i++) {
        printf("%d ", i);
    }
    printf("\n\n");
}

// Nested for loop
void nested_for_loop() {
    printf("Nested For Loop (Pattern):\n");
    for (int i = 1; i <= 3; i++) {
        for (int j = 1; j <= i; j++) {
            printf("* ");
        }
        printf("\n");
    }
    printf("\n");
}

// For loop with condition
void even_numbers() {
    printf("Even Numbers (1-10):\n");
    for (int i = 1; i <= 10; i++) {
        if (i % 2 == 0)
            printf("%d ", i);
    }
    printf("\n\n");
}
```

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}
```

```
int main() {  
    basic_for_loop();  
    nested_for_loop();  
    even_numbers();  
    return 0;  
}
```