

```
#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");  
}
```

```
}
```

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