

```

#include <stdio.h>

#define SIZE 50
int stack[SIZE];
int top = -1;
void push(int value) {
    if (top == SIZE - 1) {
        printf("Stack Overflow! Cannot push %d\n", value);
    } else {
        top++;
        stack[top] = value;
    }
}

int pop() {
    if (top == -1) {
        printf("Stack Underflow!\n");
        return -1;
    } else {
        int value = stack[top];
        top--;
        return value;
    }
}

int main() {
    int decimal, remainder;

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

    if (decimal == 0) {
        printf("Binary: 0\n");
        return 0;
    }

    while (decimal > 0) {
        remainder = decimal % 2;
        push(remainder);
        decimal = decimal / 2;
    }

    printf("Binary: ");
    while (top != -1) {
        printf("%d", pop());
    }
    printf("\n");

    return 0; // End of program

```

}