

8. Palindrome

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#include <stdio.h>
```

```
int main(){
    int n, reversed = 0, remainder, original;
    printf("enter an integer: ");
    scanf("%d" , &n);
    original = n;
    while(n != 0){
        remainder = n % 10;
        reversed = reversed * 10 + remainder;
        n /= 10;
    }
    if(original == reversed)
        printf("%d is a palindrome.", original);
    else
        printf("%d is not a palindrome.", original);
    return 0;
}
```

9.