// Glymalakshmy G

// Even or odd

#include <stdio.h>

void main() {

int num;

printf("Enter an integer: ");

scanf("%d", &num);

if(num % 2 == 0)

printf("%d is even", num);

else

printf("%d is odd", num);

}

// Glymalakshmy G

// Amstrong

#include <stdio.h>

void main()

{

int num,Num1, rem,result= 0;

printf("Enter a three-digit integer: ");

scanf("%d", &num);

Num1 = num;

while (Num1 != 0)

{

rem = Num1 % 10;

result += rem \* rem \* rem;

Num1 /= 10;

}

if (result == num)

printf("%d is an Armstrong number.", num);

else

printf("%d is not an Armstrong number.", num);

}

// Glymalakshmy G

// Number Palindrome

#include <stdio.h>

void main()

{

int n, reversed = 0, rem, Num;

printf("Enter an integer: ");

scanf("%d", &n);

Num = n;

while (n != 0) {

rem = n % 10;

reversed = reversed \* 10 + rem;

n /= 10;

}

if (Num == reversed)

printf("%d is a palindrome.", Num);

else

printf("%d is not a palindrome.", Num);

}

// Glymalakshmy G

// String Palindrome

#include <stdio.h>

#include<string.h>

void main()

{

char str[20];

int i, len, temp=0;

int flag = 0;

printf("Enter a string:");

scanf("%s", str);

len = strlen(str);

for(i=0; i < len ; i++) {

if(str[i] != str[len-i-1]) {

temp = 1;

break;

}

}

if (temp==0) {

printf("String is a palindrome");

}

else {

printf("String is not a palindrome");

}

}

// Glymalakshmy G

// factorial

#include <stdio.h>

void main()

{

int i,fact=1,number;

printf("Enter a number: ");

scanf("%d",&number);

for(i=1;i<=number;i++){

fact=fact\*i;

}

printf("Factorial of %d is: %d",number,fact);

}