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| --- | --- |
|  | **PRINT AN INTEGER** |
|  |

#include <stdio.h>

#include <conio.h>

void main()

{

int number;

printf("Enter an integer: ");

scanf("%d", &number);

printf("You entered: %d", number);

getch();

}

OUTPUT

Enter an integer: 25

You entered: 25

|  |  |
| --- | --- |
|  | **ADD TWO INTEGERS** |
|  |

#include <stdio.h>

#include <conio.h>

void main()

{

int number1, number2, sum;

printf("Enter two integers: ");

scanf("%d %d", &number1, &number2);

sum = number1 + number2;

printf("%d + %d = %d", number1, number2, sum);

getch();

}

OUTPUT

Enter two integers: 12

11

12 + 11 = 23

|  |  |
| --- | --- |
|  | **FIND THE LARGEST NUMBER AMONG THREE NUMBERS** |
|  |

#include <stdio.h>

#include <conio.h>

void main()

{

int n1, n2, n3;

printf("Enter three different numbers: ");

scanf("%d %d %d", &n1, &n2, &n3);

if (n1 >= n2 && n1 >= n3)

printf("%d is the largest number.", n1);

if (n2 >= n1 && n2 >= n3)

printf("%d is the largest number.", n2);

if (n3 >= n1 && n3 >= n2)

printf("%d is the largest number.", n3);

getch();

}

OUTPUT

Enter three numbers: -4

3

5

5 is the largest number.

|  |  |
| --- | --- |
|  | **CHECK WHETHER A NUMBER IS EVEN OR ODD** |
|  |

#include <stdio.h>

#include <conio.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);

getch();

}

OUTPUT

Enter an integer: 7

7 is odd.

Enter an integer: 8

8 is EVEN.

|  |  |
| --- | --- |
|  | **FACTORIAL OF A NUMBER** |
|  |

#include <stdio.h>

#include <conio.h>

void main()

{

int n, i,fact = 1;

printf("Enter an integer: ");

scanf("%d", &n);

if (n < 0)

printf("Error! Factorial of a negative number doesn't exist.");

else {

for (i = 1; i <= n; ++i)

{

fact \*= i;

}

printf("Factorial of %d = %llu", n, fact);

}

getch();

}

OUTPUT

Enter an integer: 10

Factorial of 10 = 3628800

|  |  |
| --- | --- |
|  | **FIBONACCI SEQUENCE** |
|  |

#include <stdio.h>

#include <conio.h>

void main()

{

int i, n;

int t1 = 0, t2 = 1;

int nextTerm = t1 + t2;

printf("Enter the number of terms: ");

scanf("%d", &n);

printf("Fibonacci Series: %d, %d, ", t1, t2);

for (i = 3; i <= n; ++i)

{

printf("%d, ", nextTerm);

t1 = t2;

t2 = nextTerm;

nextTerm = t1 + t2;

}

getch();

}

OUTPUT

Enter the number of terms: 10

Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34,

|  |  |
| --- | --- |
|  | **CHECK WHETHER A NUMBER IS PALINDROME OR NOT** |
|  |

#include <stdio.h>

#include <conio.h>

void 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);

getch();

}

OUTPUT

Enter an integer: 1001

1001 is a palindrome.