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| --- | --- |
|  | **PRINT AN INTEGER** |
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#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.