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File Edit Format View Help

#include<stdio.h>
#include<stdlib.h>

void factorial(int n)
{
    int fact = 1;
    if (n < 0){
        printf("\n-----\n");
        printf("Error! Factorial of a negative number doesn't exist.");
        printf("\n-----\n");
    }
    else {
        for (int i = 1; i <= n; ++i) {
            fact *= i;
        }
        printf("\n-----\n");
        printf("Factorial of %d = %d", n, fact);
        printf("\n-----\n");
    }
}

int main()
{
    printf("\nEnter Number For Factorial==>");
    int a ; scanf("%d",&a);factorial(a);
}

```

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Administrator: Code OverFlow

" Rafsan@Coder >> g++ code_0x007.c -o factorial
" Rafsan@Coder >> factorial
Enter Number For Factorial==>15
-----
Factorial of 15 = 2004310016
-----
" Rafsan@Coder >> factorial
Enter Number For Factorial==>-15
-----
Error! Factorial of a negative number doesn't exist.
-----
" Rafsan@Coder >> factorial
Enter Number For Factorial==>4
-----
Factorial of 4 = 24
-----
" Rafsan@Coder >>

```

Factorial >> code_0x007.c

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#include<stdio.h>
#include<stdlib.h>

void pattern(int a){
    for (int i=1;i<=a;i++)
    {
        for (int j =1; i>j; j++)
        {
            printf("%d",j);
        }
        printf("\n");
    }
}

int main()
{
    int a;
    printf("Enter The Line Number ===>");
    scanf("%d",&a);
    pattern(a);
}

```

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Administrator: Command Prompt

" Rafsan@Coder >> g++ code_0x002.c -o pattern
" Rafsan@Coder >> pattern
Enter The Line Number ===>5
1
12
123
1234

" Rafsan@Coder >> pattern
Enter The Line Number ===>9
1
12
123
1234
12345
123456
1234567
12345678

" Rafsan@Coder >>

```

Pattern >> code_0x002.c

```

Untitled - Notepad
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#include<stdio.h>
#include<stdlib.h>
#include<string.h>

void palidrome(int n)
{
    int reverse = 0, original;
    original = n;
    while(n != 0)
    {
        reverse = (reverse * 10) + (n % 10);
        n /= 10;
    }
    if (original == reverse){
        printf("\n-----\n");
        printf("%d is a palindrome.", original);
        printf("\n-----\n");}
    else{
        printf("\n-----\n");
        printf("%d is not a palindrome.", original);
        printf("\n-----\n");}
}

int main()
{
    int n;
    printf("Enter an integer===>: ");
    scanf("%d", &n);
    palidrome(n);
}

```

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Administrator: Command Prompt

Rafsan@Coder >> g++ code_0x005.c -o find_peledrome

Rafsan@Coder >> ls
code_0x001.c      code_0x003.c      code_0x005.c      code_0x009.c      submit
code_0x002.c      code_0x004.c      code_0x007.c      find_peledrome.exe

Rafsan@Coder >> find_peledrome.exe
Enter an integer===>: 2020

-----
2020 is not a palindrome.
-----

Rafsan@Coder >> find_peledrome.exe
Enter an integer===>: 16461

-----
16461 is a palindrome.
-----

Rafsan@Coder >>

```

Palindrome >> code_0x005.c

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#include<stdio.h>
int main() {
    int i, space, rows, k=0, count=0, count1=0;
    printf("Enter number of rows: ");
    scanf("%d", &rows);
    for (i=1; i<=rows; ++i) {
        for (space=1; space<=rows-i; ++space) {
            printf(" ");
            ++count;
        }
        while (k!=2*i-1) {
            if (count <= rows-1)
            { printf("%d ", i+k);
              ++count;
            }
            else {
                ++count1;
                printf("%d ", (i+k-2*count1));
            }
            ++k;
        }
        count1=count=k=0;
        printf("\n");
    }
    return 0;
}

```

```

Administrator: Code OverFlow

Rafsan@Coder >> g++ code_0x009.c -o Primid_pattern

Rafsan@Coder >> Primid_pattern
Enter number of rows: 5
    1
   2 3 2
  3 4 5 4 3
 4 5 6 7 6 5 4
5 6 7 8 9 8 7 6 5

Rafsan@Coder >> Primid_pattern
Enter number of rows: 6
    1
   2 3 2
  3 4 5 4 3
 4 5 6 7 6 5 4
 5 6 7 8 9 8 7 6 5
6 7 8 9 10 11 10 9 8 7 6

Rafsan@Coder >>

```

Piramid_Pattern >> code_0x009.c

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Untitled - Notepad
File Edit Format View Help
#include<stdio.h>
#include<stdlib.h>
#include<string.h>

int calculate(int n){ int prime=1;
    for(int loop = 2; loop < n; loop++) {
        if((n % loop) == 0) {
            prime = 0;
        }
    }

    if (prime == 1){
        printf("\n-----");
        printf("\n %d is prime number.\n", n);
        printf("-----\n");
    }
    else{
        printf("\n-----");
        printf("\n %d is not a prime number.\n", n);
        printf("-----\n");
    }
}

int main() {
    int n;
    printf("Enter a Number Prime For Cheking ===>");
    scanf("%d",&n);
    calculate(n);
}

```

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Administrator: Command Prompt

" Rafsan@Coder >> g++ code_0x001.c -o prime_finder

" Rafsan@Coder >> prime_finder
Enter a Number Prime For Cheking ===>5

-----
5 is prime number.
-----

" Rafsan@Coder >> prime_finder
Enter a Number Prime For Cheking ===>4

-----
4 is not a prime number.
-----

" Rafsan@Coder >>

```

Prime_finder >> code_0x001.c

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Untitled - Notepad
File Edit Format View Help
#include<stdio.h>
#include<stdlib.h>
#include <string.h>

void reverse(int a )
{
    int reverse=0;
    while(a != 0)
    {
        reverse = (reverse * 10) + (a % 10);
        a /= 10;
    }
    printf("\n-----\n");
    printf("Reverse = %d", reverse);
    printf("\n-----\n");
}

int main(){
    printf("input Number ===>");
    int a ;scanf("%d",&a);reverse(a);
}

```

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Administrator: Command Prompt

" Rafsan@Coder >> g++ -o reverse code_0x004.c

" Rafsan@Coder >> reverse
input Number ===>123456789

-----
Reverse = 987654321
-----

" Rafsan@Coder >> reverse
input Number ===>987654321

-----
Reverse = 123456789
-----

" Rafsan@Coder >>

```

Reverse >> code_0x004.c

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Untitled - Notepad
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#include <stdio.h>
#include<stdlib.h>
void result(int a, int b, int c)
{
    int sum = a+b+c;
    printf("-----\n");
    printf("Sum Number is ==>%d \n",sum);
    printf("-----\n");
}

int main(int argc , char *argv[])
{
    if (argc==4)
    {
        int a = atoi(argv[1]);int b = atoi(argv[2]);
        int c = atoi(argv[3]);
        result(a,b,c);
    }
    else
    {
        printf("\nUses is :: number1  number2 number3 \n ");
    }
}

```

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Administrator: Command Prompt

" Rafsan@Coder >> g++ code_0x003.c -o sum
" Rafsan@Coder >> sum
Uses is :: number1  number2 number3

" Rafsan@Coder >> sum  15 15 15
-----
Sum Number is ==>45
-----

" Rafsan@Coder >> sum  30 30 30
-----
Sum Number is ==>90
-----

" Rafsan@Coder >> sum  30 30 30 40
Uses is :: number1  number2 number3

" Rafsan@Coder >>

```

Sum >> code_0x003.c

```

Untitled - Notepad
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#include <stdio.h>
int main() {
    int i, n, t1 = 0, t2 = 1, nextTerm;
    printf("\nEnter the number of terms: ");
    scanf("%d", &n);
    printf("\n-----\n");
    printf("Fibonacci Series: ");

    for (i = 1; i <= n; ++i) {
        printf("%d, ", t1);
        nextTerm = t1 + t2;
        t1 = t2;
        t2 = nextTerm;
    }
    printf("\n");
}

```

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Administrator: Code OverFlow

" Rafsan@coder >>g++ code_0x008.c -o fibonakki_series
" Rafsan@coder >>fibonakki_series
Enter the number of terms: 25
-----
Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765,
10946, 17711, 28657, 46368,
" Rafsan@coder >>fibonakki_series
Enter the number of terms: 35
-----
Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765,
10946, 17711, 28657, 46368, 75025, 121393, 196418, 317811, 514229, 832040, 1346269, 2178309, 3524578, 570288
7,
" Rafsan@coder >>

```

Fibonakki_series >> code_0x008.c