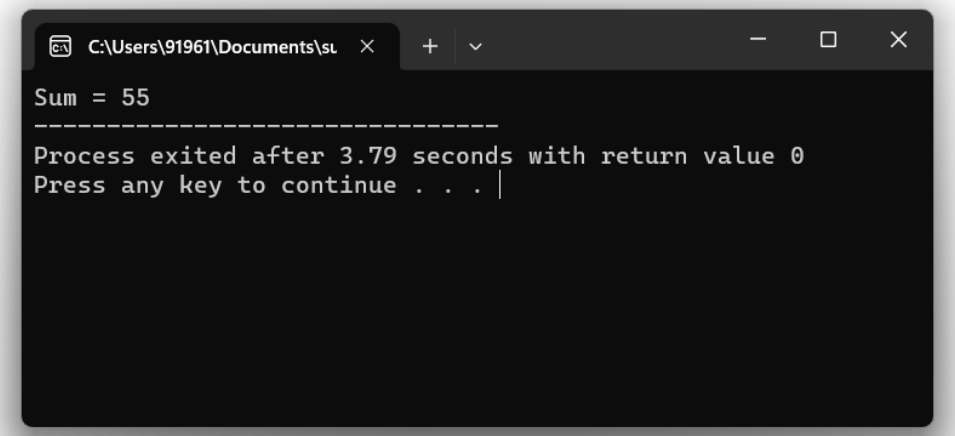
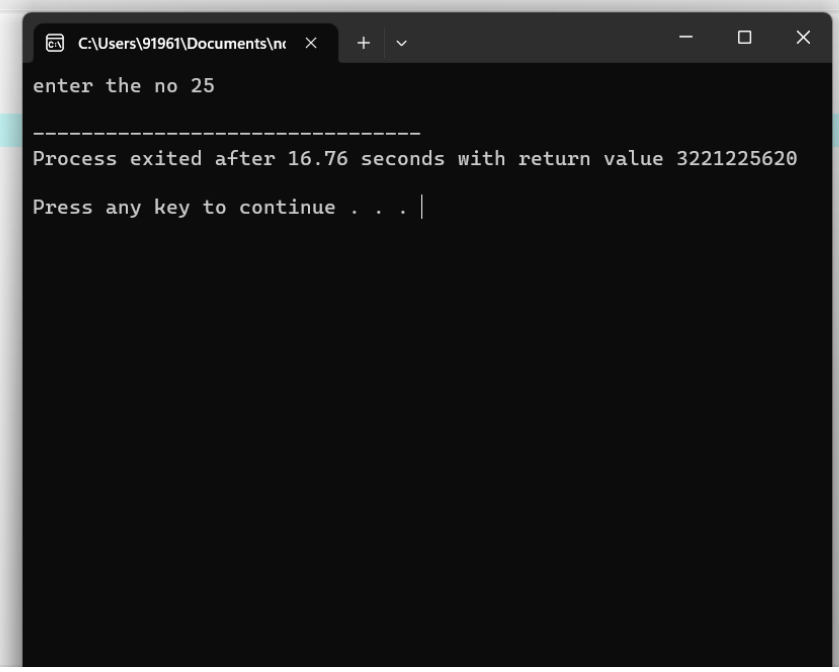
sum.cpp

```c
#include <stdio.h>

// Returns the sum of first n
// natural numbers
int recSum(int n)
{
  // Base condition
    if (n <= 1)
        return n;

  // Recursive call
    return n + recSum(n - 1);
}

// Driver code
int main()
{
    int n = 10;
    printf("Sum = %d ", recSum(n));
    return 0;
}
```



swapping the element.cpp | no of integers.cpp

```
1
2       #include<stdio.h>
3       int main(){
4       int a;
5       printf("enter the no");
6       scanf("%d",&a);
7       if(a%0)
8       {
9           printf("no is divisible by 5");
10      }
11      else
12      {
13          printf("the num is not visible");
14          return 0;
15      }
16  }
```



swapping the element.cpp | no of integers.cpp

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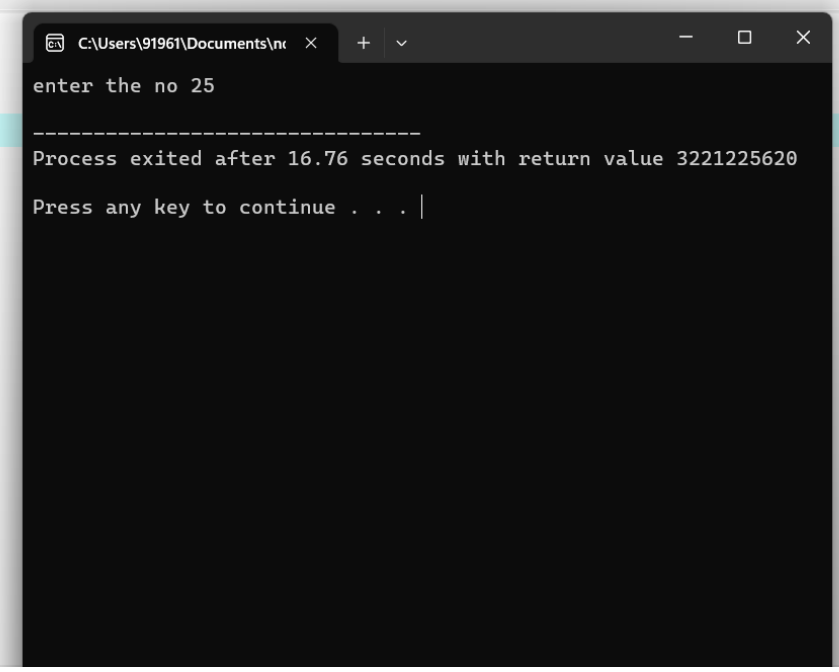
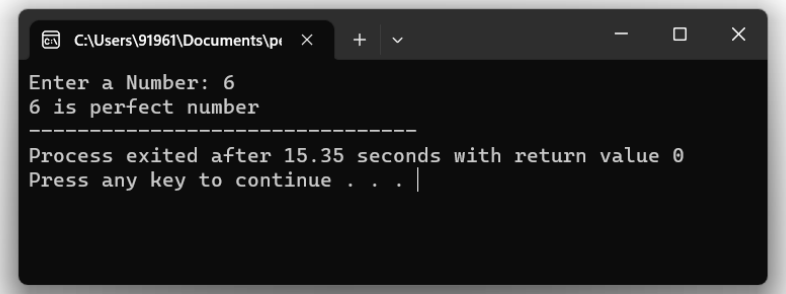


perfect.cpp

```c
#include <stdio.h>

int main()
{
    int number, rem, sum = 0, i;

    printf("Enter a Number: ");
    scanf("%d", &number);
    for (i = 1; i <= (number - 1); i++)
    {
        rem = number % i;
    if (rem == 0)
        {
            sum = sum + i;
        }
    }
    if (sum == number)
        printf("%d is perfect number", number);
    else
        printf("%d is not a perfect number", number);
    return 0;
}
```



[*] odd or even.cpp | even or odd.cpp

```
#include<stdio.h>
#include<conio.h>
int main()
{
int a;

printf("Enter a number: ");
scanf("%d", &a);
if(a%2==0)
{
printf("Even number");
}
else
{
printf("Odd number");
}
getch();
return 0;
}
```

C:\Users\91961\Docun

```
Enter a number: 55
Odd number
```

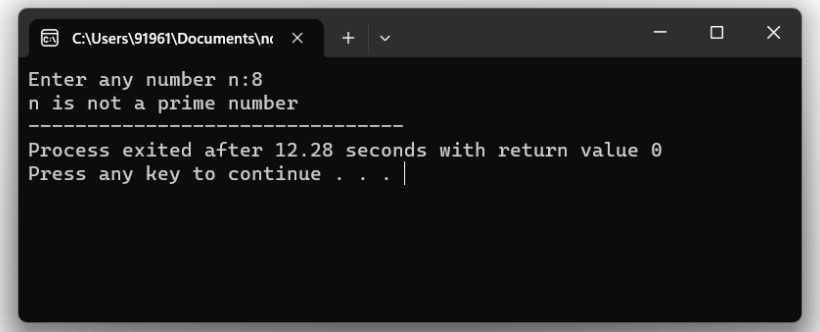
not prime.cpp

```c
#include <stdio.h>
main() {
    int n, i, c = 0;
    printf("Enter any number n:");
    scanf("%d", &n);

    //logic
    for (i =1; i <= n; i++) {
        if (n % i==0) {
            c++;

        }
    }

    if (c == 2) {
        printf("n is a prime number");
    }
    else {
        printf("n is not a prime number");
    }
    return 0;
}
```



palindrome number.cpp

```c
/**
 * C program to check palindrome number using recursion
 */

#include <stdio.h>
#include <math.h>


/* Function declarations */
int reverse(int num);
int isPalindrome(int num);



int main()
{
    int num;

    /* Input any number from user */
    printf("Enter any number: ");
    scanf("%d", &num);

    if(isPalindrome(num) == 1)
    {
        printf("%d is palindrome number.\n", num);
    }
    else
    {
        printf("%d is NOT palindrome number.\n", num);
    }

    return 0;
```

urces | Compile Log | Debug | Find Results | Console | Close

```
Enter any number: 8
8 is palindrome number.

--------------------------------
Process exited after 3.287 seconds with return value 0
Press any key to continue . . .
```

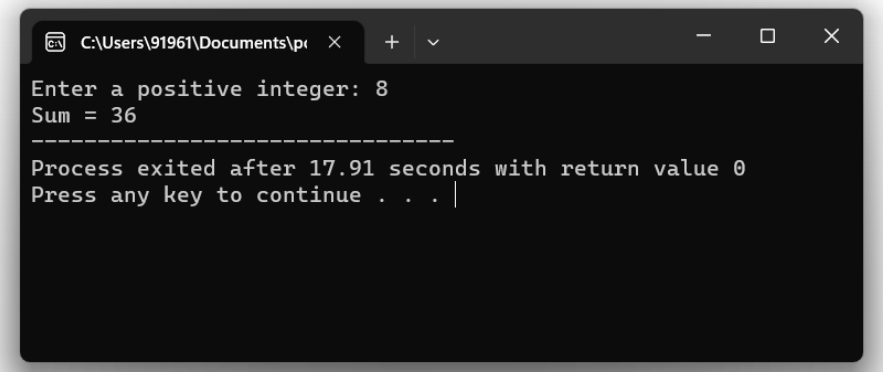
positive.cpp

```c
#include <stdio.h>
int main() {
    int n, i, sum = 0;

    printf("Enter a positive integer: ");
    scanf("%d", &n);

    for (i = 1; i <= n; ++i) {
        sum += i;
    }

    printf("Sum = %d", sum);
    return 0;
}
```



sum.cpp

```c
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// natural numbers
int recSum(int n)
{
  // Base condition
    if (n <= 1)
        return n;

  // Recursive call
    return n + recSum(n - 1);
}

// Driver code
int main()
{
    int n = 10;
    printf("Sum = %d ", recSum(n));
    return 0;
}
```
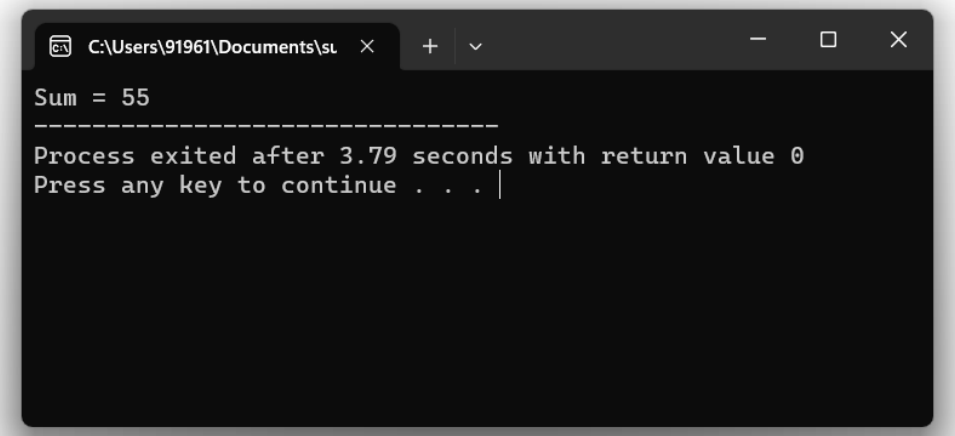
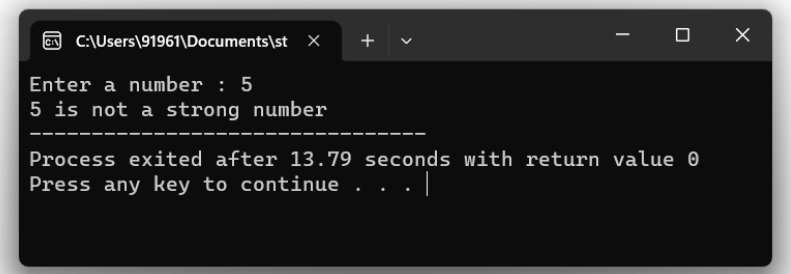



strong number.cpp

```c
#include<stdio.h>
int main(){
   int n,i;
   int fact,rem;
   printf("Enter a number : ");
   scanf("%d",&n);
   printf("");
   int sum = 0;
   int temp = n;
   while(n){
      i = 1,fact = 1;
      rem = n % 10;
      while(i <= rem){
         fact = fact * i;
         i++;
      }
      sum = sum + fact;
      n = n / 10;
   }
    if(sum == temp)
      printf("%d is a strong number",temp);
   else
      printf("%d is not a strong number",temp);
   return 0;
}
```

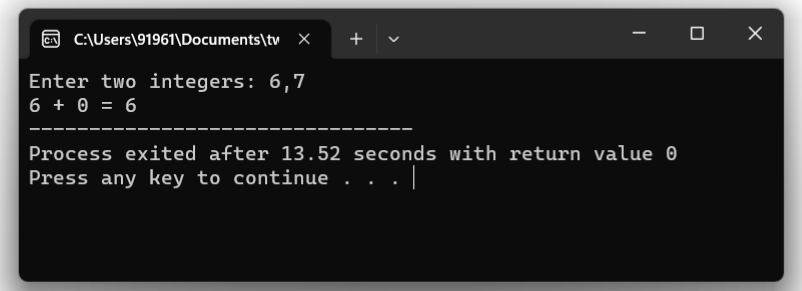


```c
#  include <stdio.h>
int main () {
   int a,b,temp;
   printf("enter a");
   scanf("%d,&a");
   printf("enter b");
   scanf("&d,&b");
   temp=a;
   a=b;
   b=temp;
   printf("after swapping nthe element,%d\n",a);
   printf("after swapping the element,%d",b);
   return 0;
}
```

```
C:\Users\91961\Documents\sv
enter a13
enter bafter swapping nthe element,0
after swapping the element,0
--------------------------------
Process exited after 11.22 seconds with return value 0
Press any key to continue . . .
```

two numbers.cpp

```c
#include<stdio.h>
int main()
{
    int number1, number2, sum;

    printf("Enter two integers: ");
    scanf("%d %d", &number1, &number2);

    //calculate the sum
    sum = number1 + number2;

    printf("%d + %d = %d", number1, number2, sum);
    return 0;
}
```



c pro day 1 cpp6.cpp

```c
#include<stdio.h>
 int main()
{
int n,r,sum=0,temp;
printf("enter the number=");
scanf("%d",&n);
temp=n;
while(n>0)
{
r=n%10;
sum=sum+(r*r*r);
n=n/10;
}
if(temp==sum)
printf("armstrong  number ");
else
printf("not armstrong number");
return 0;
}
```