**Factorial of num**

#include <iostream.h>

#include <conio.h>

void main() {

clrscr();

int n;

long factorial = 1;

cout << "Enter a positive integer: ";

cin >> n;

if (n < 0)

cout << "Factorial of a negative number doesn't exist.";

else {

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

factorial \*= i;

}

cout << "Factorial of " << n << " = " << factorial;

}

getch();

}

**Armstrong number**

#include <iostream.h>

#include<conio.h>

int main()

{

int n,r,sum=0,temp;

cout<<"Enter the Number= ";

cin>>n;

temp=n;

while(n>0)

{

r=n%10;

sum=sum+(r\*r\*r);

n=n/10;

}

if(temp==sum)

cout<<"Armstrong Number."<<endl;

else

cout<<"Not Armstrong Number."<<endl;

return 0;

}

**Palindrome number**

#include <iostream.h>

#include <conio.h>

void main()

{

int num, temp, digit, rev = 0;

clrscr();

cout << "Enter a positive number: ";

cin >> num;

temp = num;

while (temp != 0) {

digit = temp % 10;

rev = (rev \* 10) + digit;

temp = temp / 10;

}

if (num == rev)

cout << "The number is a palindrome.";

else

cout << "The number is not a palindrome.";

getch()

}