Q. 1 - 1+2+3+4+ …. N

Int n,t,a;

Cin>>n; // input

T=0;

For (a=1; a<=n; a++)

T = t+a;

Cout<<t;

Q.2 – 1\*2\*3\*…n

Int n,t,a;

Cin>>n; // input

T=1;

For (a=1; a<=n; a++)

T = t\*a;

Cout<<t;

#include <iostream>

using namespace std;

int main()

{

int n,a,t;

cout<<"Enter the value of N ";

cin>>n;

t=0;

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

t = t + a;

cout<<t;

}

1\*2\*3\*4 = Factorial of 4 !4

N^x = 2^3 = 2\*2\*2 ??????

1. We have 2 variables, n and x
2. N^x - n will multiply x times 2^4 = 2\*2\*2\*2
3. Input ‘n’ and ‘x’
4. Now 1 to x times
5. N^x = n\*n\*n\*n…x

Cin>>n

Cin>>x;

T=1;

For (a=1; a<=x; a++)

t = t \* n;

cout<<t;

#include <iostream>

using namespace std;

int main()

{

int n,x,a,t;

cout<<"Enter the value of N ";

cin>>n;

cout<<"Enter X ";

cin>>x;

t=1;

for (a=1; a<=x; a++)

t = t \* n;

cout<<t;

}

Q.1 – 1+2+3+4+ … n

Q.2 - !1 + !2 + !3 + …. !n

1. Input ‘n’
2. For a=1 to n
3. Calculate of !a
4. Add this

Cin>>n;

T=0;

For (a=1; a<=n; a++)

{

T1=1;

For (b=1; b<=a; b++)

T1=t1\*b; // t1 is !a // t1 = t1\*2

T=t+t1;

}

Q.3 – 2^1 + 2^2 + 2^3 …… 2^n

Q. 4 – 1/!1 + 2/!2 + 3/!3 …. n/!n - 1/1 + 2/2 + 3/6 + 4/24 = 1+1+0.5+0.166 = 2.666

Q. 5 2^1/!1 + 2^2/!2 + 2^3/!3 + …. 2^n/!n

14%4 = 2

15%4 = 3

12321 MADAM

Cin>>n - 1234 // input

t=t\*10 + a;

A=n%10 - 4

N=n/10 - 123 // t = 0 \* 10 + 4 = 4

A=n%10 - 3

N=n/10 - 12 // t = 4 \* 10 + 3 = 43

A=n%10 - 2

N=n/10 - 1 // t = 43 \* 10 +2 = 432

A=n%10 - 1 // 4321

N = n/10 - 0

int main()

{

int n,a,t,n1;

cout<<"Enter the value of N ";

cin>>n;

n1 = n;

t=0;

while (n!=0)

{

a=n%10;

n=n/10;

cout<<a<<"\n";

t=t\*10 + a;

}

if (n1==t)

cout<<"Pelindrom "<<t;

else

cout<<"Not Pel";

}

34,723 MNT

20,000 – 1

10,000 – 1

1,000 – 4

500 – 1

100 – 2

20 – 1

1 – 3

Cin>>n;

A=n%20000; cout<<”20,000 = “<<a<<”\n”;

N=n/20000;

A=n%10000; cout<<”10,000 = “<<a<<”\n”;

N = n/10000;

A=n%5000;

Armstrong numbers

153 = 1^3 + 5^ + 3^3 = 1+ 125 + 27 = 153

470 or 407

0, 1, 1, 2 ,3 , 5 , 8 , 13,21 ……

A=0;

B=1;

Cout<<a;

Cout<<b;

While (c<=100)

{

C=a+b;

Cout<<c;

A=b;

B=c;

}