1)

#include <iostream>

using namespace std;

int factorial(int n)

{

int f = 1;

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

f\*=i;

return f;

}

int main()

{

int m = 0;

cin >> m;

int value = factorial(m);

cout<<value<<endl;

}

2)

#include <iostream>

using namespace std;

int astijan(int number,int n)

{

int f = 1;

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

f\*=number;

return f;

}

int main()

{

int m,n = 0;

cin >> m;

cin >> n;

int value = astijan(m,n);

cout<<value<<endl;

}

3)

#include <iostream>

using namespace std;

int fibonachi(int index)

{

int m=0;

int n=1;

for(int i=1;i<=index;i++)

{

int temp = n;

n = m+n;

m = temp;

}

return m;

}

int main()

{

int index = 0;

cin>>index;

int value = fibonachi(index);

cout << value << endl;

}

4)

#include <iostream>

using namespace std;

int counter(int n)

{

int k = 0;

if(n>0)

return (n+counter(n-1));

}

int main()

{

int value = counter(10);

cout<<value;

}

5)

#include <iostream>

using namespace std;

int fibonachi(int n)

{

if(n==1 || n==0)

return n;

return fibonachi(n-1) + fibonachi(n-2);

}

int main()

{

int FibIndex;

cin>>FibIndex;

int value = fibonachi(FibIndex);

cout<<value;

}

6)

#include <iostream>

using namespace std;

int sum3(int n)

{

if(n>0 && n%3==0)

return (n+sum3(n-3));

else if(3-n%3==1)

{

n-=2;

return(n+sum3(n-3));

}

else if(3-n%3==2)

{

n--;

return(n+sum3(n-3));

}

else if(n<=0)

{

return 0;

}

}

int main()

{

int count;

cin>>count;

int value = sum3(count);

cout<<value;

}

7)