```
#include<iostream>
#include<stdlib.h>

using namespace std;

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template <class T> class Stack
{                                       int max,top;
                                        T stack[100];
                        public:
                                        Stack();
                                        int isFull();
                                        int isEmpty();
                                        void push(T data);
                                        T pop();
};
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> Stack <T> :: Stack()
{
        max=99;
        top=0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> int Stack <T> :: isFull()
{
        if (top==max)           return 1;
        else                    return 0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> int Stack <T> :: isEmpty()
{
        if (top==0)     return 1;
        else            return 0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> void Stack <T> :: push(T data)
{
                top=top+1;
                stack[top]=data;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> T Stack <T> :: pop()
{
                T pdata;
                pdata=stack[top];
                top=top-1;
                return(pdata);
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
```

```
#include "Stack.h"

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main()

{
        int n, number;
        Stack <int> st;

        cout << ".....Enter the Decimal Number..... ? ";
        cin >> n;

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        int rdigit;

        while (n!=0)
        {
                rdigit=n%2;

                st.push(rdigit);

                n=n/2;
        }

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         cout << ".....Binary Equivalent..... ";

        while ( !st.isEmpty( ) )
        {
                cout << st.pop( ) << " ";
        }

        cout << endl;

}

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```