**Decimal to Binary**

**Program:**

#include<iostream>

using namespace std;

class numsys

{

private:

int i,dec,digits;

public:

int read\_decimal()

{

cout<<"Enter the Decimal number: "<<endl;

cin>>dec;

return dec;

}

friend void convert();

};

void convert(int n)

{

int i=0,digits=0;

int bin[32];

while(n>0)

{

bin[i] = n%2;

n = n/2;

i+=1;

digits+=1;

}

cout<<"(";

for (i=digits-1;i>=0;i--)

{

cout<<bin[i];

if (i%4==0 && i!=0)

{

cout<<" ";

}

}

cout<<")\u2082";

};

int main()

{

int n,digits;

numsys n1;

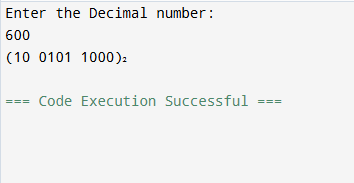
n = n1.read\_decimal();

convert(n);

return 0;

}

**Output:**

****