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CODE
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// to convert binary to decimal
#include<iostream>
#include<stdio.h>
#include<string.h>
using namespace std;
double binaryToDecimal(string binary, int len)
{
  size_t point = binary.find('.');
  if (point == string::npos)
    point = len;
  double intDecimal = 0, fracDecimal = 0, twos = 1;
  for (int i = point-1; i>=0; --i)
  {
    intDecimal += (binary[i] - '0') * twos;
    twos *= 2;
  }
  twos = 2;
  for (int i = point+1; i < len; ++i)
    fracDecimal += (binary[i] - '0') / twos;
    twos *= 2.0;
  }
  return intDecimal + fracDecimal;
}
```

```
int main()
{
    string n;
    cout<<"enter binary number to be converted to decimal\n";
    cin>>n;
    cout <<"the decimal equivalent is\n"<< binaryToDecimal(n, n.length()) << "\n";
    return 0;
}</pre>
```

OUTPUT

■ C:\Users\SHAKSHI RAJU AMONKAR\Desktop\COA 1.exe