**Program to increment binary no. by 1**

#include <iostream>

using namespace std;

int main()

{

long b1,b2=1;

int i=0, r=0;

int S[20];

cout << " Enter the number in Binary: ";

cin>> b1;

while (b1 != 0 || b2 != 0)

{

S[i++] = (int)((b1 % 10 + b2 % 10 + r) % 2);

r = (int)((b1 % 10 + b2 % 10 + r) / 2);

b1 = b1 / 10;

b2 = b2 / 10;

}

if (r != 0) {

S[i++] = r;

}

--i;

cout<<" After Increment : ";

while (i >= 0) {

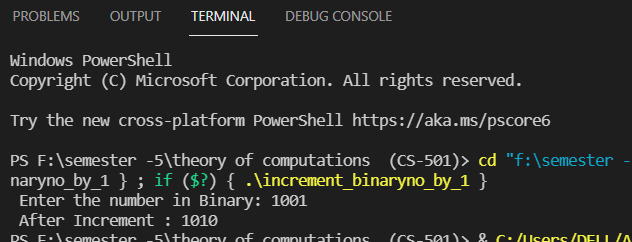
cout<<(S[i--]);

}

cout<<("\n");

}

**OUTPUT:**

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