#include<stdio.h>

int and1(int a, int b);

int and2(int b, int c);

int not(int c);

int or(int and1, int and2);

int main(void)

{

int a,b,c;

printf("\nEnter value for A:");

scanf("%d", &a);

printf("\nEnter value for B:");

scanf("%d", &b);

printf("\nEnter value for C:");

scanf("%d", &c);

printf("\n\nThe value from multiplexer: %d",or);

return 0;

}

int not(int c)

{

int output;

if(c==0)

output=1;

else

output=0;

return(output);

}

int and1(int a, int not)

{

int output;

if(a==1&&not==1)

output=1;

else

output=0;

return (output);

}

int and2(int b, int c)

{

int output;

if(b==0&&c==0)

output=0;

else if(b==0&&c==1)

output=0;

else if(b==1&&b==0)

output=0;

else

output=1;

return (output);

}

int or(int and1, int and2)

{

int output;

if(and1==0&&and2==0)

output=0;

else if(and1==0&&and2==1)

output=1;

else if(and1==1&&and2==0)

output=1;

else

output=1;

return (output);

}