#include<stdio.h> int btod(int); int main()

{

int binary,decimal;

printf("Enter binary input :"); scanf("%d",&binary);

decimal=btod(binary);

printf("Decimal equivalent = %d\n", decimal);

return 0;

}

int btod(int bin)

{

if (bin==0)

return 0; else

return (bin%10 + btod(bin/10) \* 2);

}

Out put:

$ cc btod.c

$ ./a.out

Enter binary input :100

Deciml equivalent = 4

$ ./a.out

Enter binary input :1001

Deciml equivalent = 9

$ ./a.out

Enter binary input :1101

Deciml equivalent = 13