DECIMAL TO BINARY CONVERSION
EXP NO: 25
AIM: To write a C program to implement decimal to binary conversion.
ALGORITHM:
1) Check if your number is odd or even.
2) If it's even, write 0 (proceeding backwards, adding binary digits to the left of the result).
3) Otherwise, if it's odd, write 1 (in the same way).
4) Divide your number by 2 (dropping any fraction) and go back to step 1. Repeat until your original number is 0.
PROGRAM:

```
#include<stdio.h>
#include<stdlib.h>
int
main()


{


int
a[10],n,i;


printf("Enter
the number to convert: ");


scanf("%d",&n);


for(i=0;n>0;i++)


{


a[i]=n%2;


n=n/2;


}


printf("\nBinary
of Given Number is=");


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

{

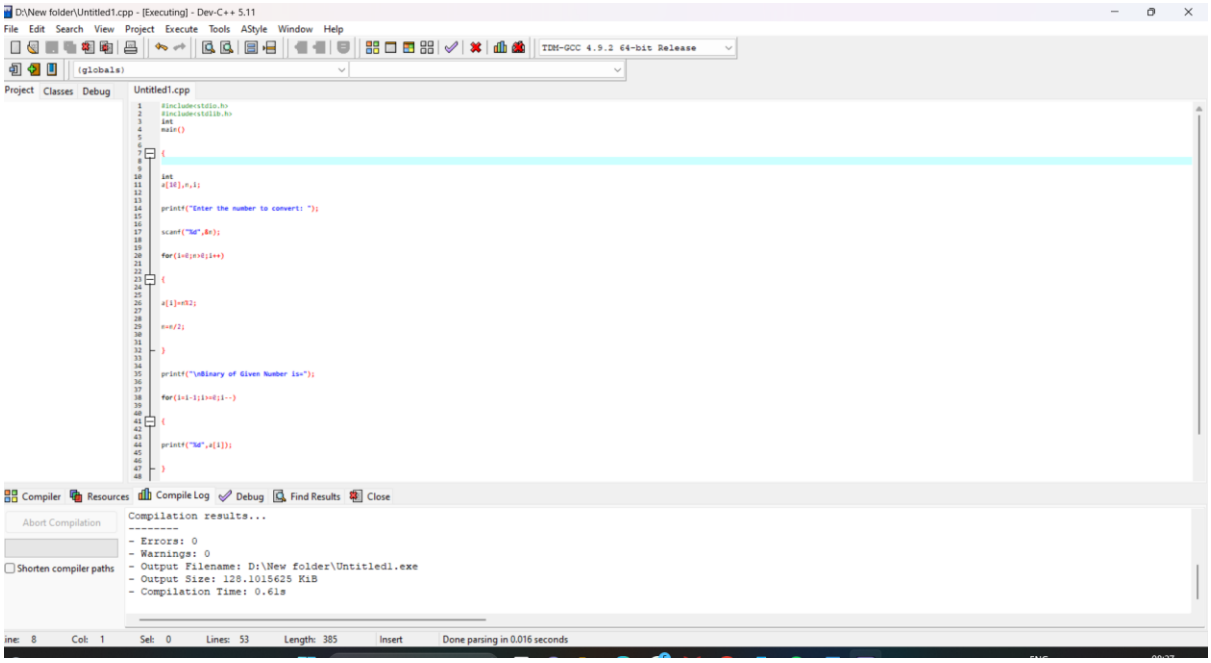
printf("%d",a[i]);

}

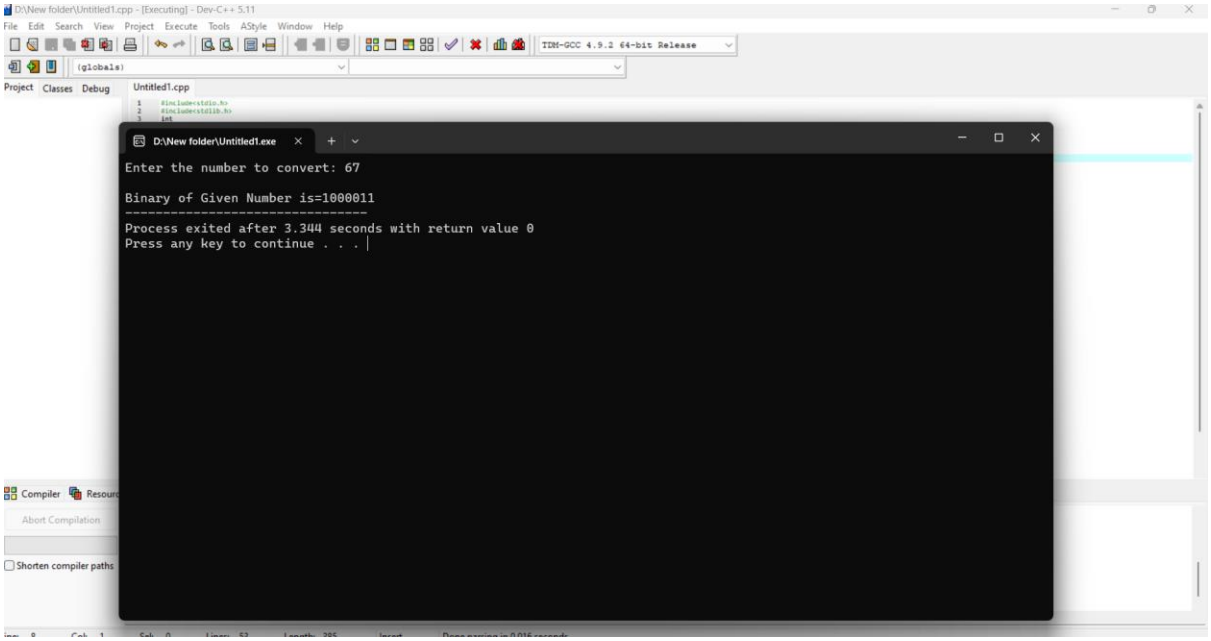
return
0;

}

INPUT:



OUTPUT:



RESULT: Thus the program was executed successfully using DevC++.