AIM:

To write a C program to implement decimal
to binary conversion.

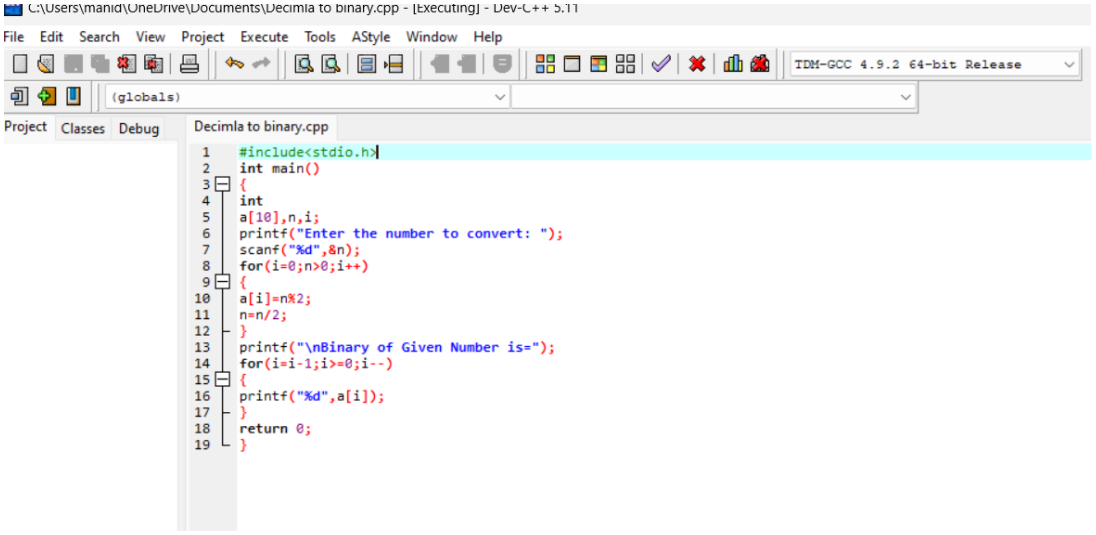
ALGORITHM:

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.

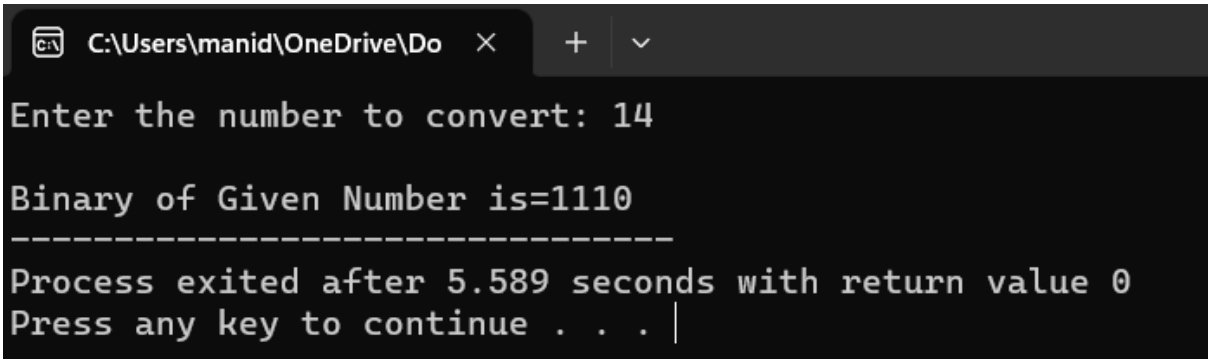
PROGRAM:

```
#include<stdio.h>
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++.