1)

```
#include<stdio.h>
#include<stdlib.h>
int main()
{
   int a[10],n,i;
   scanf("%d",&n);
   for(i=0;n>0;i++)
   {
        a[i]=n%2;
        n=n/2;
   }

   for(i=i-1;i>=0;i--)
   {
        printf("%d",a[i]);
   }
   return 0;
}
```

```
588
1001001100

...Program finished with exit code 0
Press ENTER to exit console.
```

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

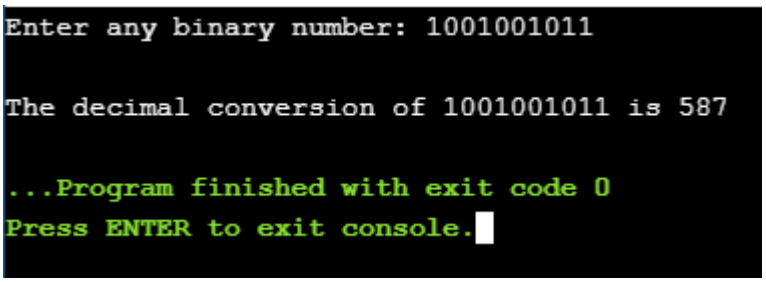
2)

```
int main()
{
	long int i,n,x=0,a;
	printf("Enter any binary number: ");
	scanf("%ld",&n);
	printf("\nThe decimal conversion of %ld is ",n);

	for(i=0;n!=0;++i)
	{
		a=n%10;
		x=(a)*(pow(2,i))+x;
		n=n/10;
	}

	printf("%ld",x);

	return 0;
}
```



---

3)

```
#include<stdio.h>
long int multiplyNumbers(int n)
 {
   if (n>=1)
      return n*multiplyNumbers(n-1);
   else
      return 1;
 }



int main()
{
   int n;
   printf("Enter a positive integer: ");
   scanf("%d",&n);
   printf("Factorial of %d = %ld", n, multiplyNumbers(n));
   return 0;
}
```