Answer on Assignment Funtion

Q1

```
#include <stdio.h>
int reverse(int n)
{
   int s=0,r;
   while(n!=0)
   {
      r=n%10;
      s=s*10+r;
      n=n/10;
   }
  return s;
}
int main()
{
   int k;
   printf("\nEnter any Integer number :");
   scanf("%d",&k);
   printf("\nReverse of %d is %d",k,reverse(k));

   return 0;
}
```

output:
Enter any Integer Number : 4563
Reverse of 4563 is 3654

Q2

```
#include <stdio.h>
float power(int m,int n)
{
   float s=1;
   int i;
   if(n>0)
   {
      for(i=1;i<=n;i++)
         s=s*m;
   }
   else
   {
      for(i=n;i<0;i++)
         s=s*1/m;
```

```
    }
    return s;
}
int main()
{
    int M,N;
    float result;
    printf("\nEnter Base and power:");
    scanf("%d%d",&M,&N);
    result=power(M,N);
    printf("\nResult=%f",result);

    return 0;
}
```

Output:
Enter Base and Power :2 -2
Result=0.250000

Q3

```
#include <stdio.h>
int GCD(int m,int n)
{
    int r;
    while(m%n!=0)
    {
        r=m%n;
        m=n;
        n=r;
    }
    return n;
}
int LCM(int m,int n)
{
    int k;
    k=(m*n)/GCD(m,n);
    return k;
}
int main()
{
    int a,b;
    printf("Enter two numbers:");
    scanf("%d%d",&a,&b);
    printf("\nGCD of %d & %d = %d",a,b,GCD(a,b));
    printf("\nLCM of %d & %d = %d",a,b,LCM(a,b));
    return 0;
```

```
}
```

Output:
Enter two numbers: 18 24
GCD of 18 & 24 =6
LCM of 18 & 24 =72

Q4:

```
#include<math.h>
#include<stdio.h>
int convert(int k)
{
   int s=0,i=0,r;
   while(k!=0)
   {
      r=k%2;
      s=r*pow(10,i++)+s;
      k=k/2;
   }
   return s;
}
int main()
{
   int dml,bny;
   printf("\nEnter any decimal number ");
   scanf("%d",&dml);
   bny=convert(dml);
   printf("\nEquivalent Binary =%d",bny);
}
```

Output:
Enter any decimal number 15
Equivalent Binary =1111