

## Question-1

```
int main()
{
    int n,i,s=0;
    printf("Enter the number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s+i;
    printf(" Sum of first %d is %d",n,s);
}
```

## Question-2

```
int main()
{
    int n,i,s=0;
    printf("Enter the number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s+i*2;
    printf(" Sum of first %d number is %d",n,s);
}
```

## Question-3

```
int main()
{
    int n,i,s=0;
    printf("Enter a number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s+i*2-1;
    printf("Sum of first %d number is %d ",n,s);
}
```

## Question-4

```
int main()
{
    int n,i,s=0;
    printf("Enter a number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s+i*i;
    printf("sum of first %d square is %d",n,s);
}
```

### Question-5

```
//Program to print cube of n number
int main()
{
    int n,i,s=0;
    printf("Enter a number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s+i*i*i;
    printf("Sum of first %d cube is %d ",n,s);
}
```

### Question-6

```
int main()
{
    int n,i,s=1;
    printf("Enter a number : ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        s=s*i;
    printf(" Factorial of first %d number is %d ",n,s);
}
```

### Question-7

```
//Program to count the digits of a nubmer
int main()
{
    int n,i,count=0;
    printf("Enter a number :");
    scanf("%d",&n);
    while(n!=0)
    {
        n=n/10;
        count ++;
    }
    printf("Total digits of a entered number is %d",count);
}
```

### Question-8

```
int main()
{
    int n,i;
    printf("Enter a number : ");
    scanf("%d",&n);
    for(i=2;i<n/2;i++)
        if(n%i==0)
            break;
    if(i==n/2+1)
        printf("Number is prime ");
    else
        printf("Number is not prime ");
}
```

### Question-9

```
int main()
{
    int a,b,i;
    printf("Enter two number: ");
    scanf("%d %d",&a,&b);
    for(i=a>b?a:b;i<=a*b;i++)
    {
        if(i%a==0 && i%b==0)
            break;
    }
    printf(" Lcm of %d and %d is %d",a,b,i);
}
```

### Question-10

```
//Program to print the reverse of a number
int main()
{
    int n,rev=0;
    printf("Enter a number : ");
    scanf("%d",&n);
    while(n!=0)
    {
        rev=rev*10+n%10;
        n=n/10;
    }
    printf("Reverse number is %d ",rev);
}
```