

Q1:-

```
#include<stdio.h>
int main(){
    int i,n,a=0;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        a=a+i;
    }
    printf("The sum is:- %d",a);
    return 0;
}
```

Q2:-

```
#include<stdio.h>
int main(){
    int i,n,a=0;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        a=a+i*2;
    }
    printf("The sum of first N even numbers is:- %d",a);
    return 0;
}
```

Q3:-

```
#include<stdio.h>
int main(){
    int i,n,a=0;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        a=a+(i*2-1);
    }
    printf("The sum of first N odd numbers is:- %d",a);
    return 0;
}
```

Q4:-

```
#include<stdio.h>
int main(){
    int i,n,a=0;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        a=a+i*i;
    }
    printf("The sum of square is:- %d",a);
    return 0;
}
```

Q5:-

```
#include<stdio.h>
int main(){
    int i,n,a=0;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        a=a+i*i*i;
    }
    printf("The sum of cube is:- %d",a);
    return 0;
}
```

Q6:-

```
#include<stdio.h>
int main(){
    int n,a=1;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(n;n!=0;n--){
        a=a*n;
    }
    printf("The factorial is:- %d",a);
    return 0;
}
```

Q7:-

```
#include<stdio.h>
int main(){
    int i,n;
    printf("Enter the number:\n");
    scanf("%d",&n);
    for(i=0;n!=0;i++){
        n=n/10;
    }
    printf("Count digit is : %d",i);
    return 0;
}
```

Q8:-

```
#include<stdio.h>
int main(){
    int i,n;
    printf("Enter a number:\n");
    scanf("%d",&n);
    for(i=2;i<=n/2;i++){
        if(n%i==0)
            break;
    }
    if(i>n/2)
        printf("Prime");
    else
        printf("Not a prime");
    return 0;
}
```

Q9:-

```
#include<stdio.h>
int main(){
    int num1,num2,L;
    printf("Enter two number:\n");
    scanf("%d %d",&num1,&num2);
    for(L=1;L<=num1*num2;L++){
        if(L%num1==0&&L%num2==0)
            break;
    }
    printf("LCM is %d",L);
    return 0;
}
```

Q10:-

```
#include<stdio.h>
int main(){
    int i,num,rem,rev=0;
    printf("Enter a number:\n");
    scanf("%d",&num);
    for(i=1;num!=0;i++)
```

```
{
    rem=num%10;
    rev=rev*10+rem;
    num=num/10;
}
printf("The reverse value is %d",rev);
return 0;
}
```