

1.

```
#include <math.h>

#include <stdio.h>

int main() {

    int n,sum=0;

    scanf("%d",&n);

    for(int i=1;i<=n;i++)

    {

        sum=sum+i;

    }

    printf("%d",sum);

}
```

2.

```
#include <math.h>

#include <stdio.h>

int main() {

    int n,sum=0;

    scanf("%d",&n);

    for(int i=1;i<=n*2;i++)

    {

        if(i%2==0)

            sum=sum+i;

    }

    printf("%d",sum);

}
```

3. #include <math.h>

#include <stdio.h>

```
int main() {  
    int n,sum=0;  
    scanf("%d",&n);  
    for(int i=1;i<=n*2;i++)  
    {  
        if(i%2!=0)  
            sum=sum+i;  
    }  
    printf("%d",sum);  
}
```

4.

```
#include <math.h>  
#include <stdio.h>  
int main() {  
    int n,sum=0;  
    scanf("%d",&n);  
    for(int i=1;i<=n;i++)  
    {  
        sum=sum+i*i;  
    }  
    printf("%d",sum);  
}
```

5.

```
#include <math.h>  
#include <stdio.h>  
int main() {  
    int n,sum=0;  
    scanf("%d",&n);
```

```
for(int i=1;i<=n;i++)
{
    sum=sum+i*i*i;
}
printf("%d",sum);
}
```

6.

```
#include <math.h>
#include <stdio.h>
int main() {
    int n,sum=1;
    scanf("%d",&n);
    for(int i=1;i<=n;i++)
    {
        sum=sum*i;
    }
    printf("%d",sum);
}
```

7.

```
#include <math.h>
#include <stdio.h>
int main() {
    int n,sum=0;
    scanf("%d",&n);
    for(int i=1;i<=20;i++)
    {
```

```
n=n/10;

sum++;

if(n==0)

{

    printf("%d",sum);

    break;

}

}

}
```

8.

```
#include <math.h>

#include <stdio.h>

int main() {

    int n,bool=0;

    scanf("%d",&n);

    for(int i=2;i<n/2;i++)

    {

        if(n%i==0)

            bool=1;

    }

    if(bool==0)

        printf("Prime");

    else

        printf("Not Prime");
```

```
}
```

9.

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

```
int main()
```

```
{
```

```
    int Num1, Num2, max_Value;
```

```
    printf("Please Enter two integer Values \n");
```

```
    scanf("%d %d", &Num1, &Num2);
```

```
    max_Value = (Num1 > Num2)? Num1 : Num2;
```

```
    while(1)
```

```
    {
```

```
        if(max_Value % Num1 == 0 && max_Value % Num2 == 0)
```

```
        {
```

```
            printf("LCM of %d and %d = %d", Num1, Num2, max_Value);
```

```
            break;
```

```
        }
```

```
        ++max_Value;
```

```
    }
```

```
    return 0;
```

```
}
```

10.

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

```
int main() {
```

```
    int n, reverse = 0, remainder;
```

```
    printf("Enter an integer: ");
```

```
    scanf("%d", &n);
```

```
    while (n != 0) {
```

```
        remainder = n % 10;
```

```
        reverse = reverse * 10 + remainder;
```

```
        n /= 10;
```

```
    }
```

```
    printf("Reversed number = %d", reverse);
```

```
    return 0;
```

```
}
```