

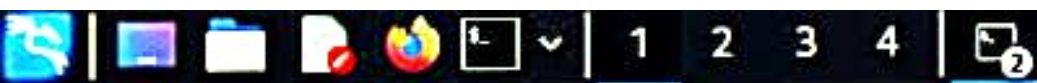


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```
#include<stdio.h>
```

```
int isEven(int num){  
    return num%2==0;  
}
```

```
int main(){  
    int num;  
    printf("Enter a number:");  
    scanf("%d",&num);  
  
    if (isEven(num))  
        printf("%d is even.\n",num);  
    else  
        printf("%d is odd.\n",num);  
  
    return 0;  
}
```



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```
#include<stdio.h>

int isPrime(int num){
    if (num<2) return 0;
    for (int i=2; i*i<=num;i++){
        if (num%i==0)
            return 0;
    }
    return 1;
}

int main(){
    int num;
    printf("Enter a number:");
    scanf("%d",&num);
    if (isPrime(num))
        printf("%d is a prime number .\n",num);
    else
        printf("%d is not a prime number .\n",num);
    return 0;
}
```



File Actions Edit View Help

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

```
double factorial(int n){
```

```
    double fact=1;
```

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

```
        fact +=i;
```

```
    return fact;
```

```
}
```

```
double seriesSum(int n){
```

```
    double sum = 0;
```

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

```
        sum +=i/factorial(i);
```

```
    return sum;
```

```
}
```

```
int main(){
```

```
    int n=5;
```

```
    printf("Sum of the series: %.5lf\n",seriesSum(n))
```

```
return 0;
```

```
}
```



File Actions Edit View Help

```
#include<stdio.h>

int square(int num){
    return num*num;
}

int main(){
    int num;
    printf("Enter a number;");
    scanf("%d",&num);

    printf("Square of %d is %d\n",num,square(num));
    return 0;
}
```