

```
//check if a number ends with 0.
//i/p : 60,87
//o/p : Yes or NO

#include <iostream>
using namespace std;

int main(){
    int num=32;
    if(num%10==0){
        cout<<"Ends with 0"<<endl;
    }else{
        cout<<"Does not End with 0"<<endl;
    }
    return 0;
}
```

```
//check if a number is 3 digit
//i/p : 343
//o/p : yes or No
#include <iostream>
using namespace std;

int main(){
    int num;
    cout<<"Enter a number : "<<endl;
    cin>>num;

    if(num>0){
        if(num>=100 && num<=999){
            cout<<"Yes"<<endl;
        }else{
            cout<<"No"<<endl;
        }
    }
    return 0;
}
```

```
//check if a number is divisible by 3 and 7
//i/p : 21
//o/p : Yes or No
#include <iostream>
using namespace std;

int main(){
    int num;
    cout<<"Enter a number : "<<endl;
    cin>>num;

    if(num%3==0 && num%7==0){
        cout<<"Yes Number is Divisible by 3 and 7 !"<<endl;
    }else{
        cout<<"No Number is not Divisible by 3 and 7 !"<<endl;
    }
    return 0;
}
```

```
//check if a number is zero;
//i/p : 23 o/p: No
//i/p : 0 o/p: Yes
#include <iostream>
using namespace std;

int main(){
    int num=0;
    if(num==0){//true
        cout<<"Yes number is Zero!"<<endl;
    }else{
        cout<<"No number is not Zero!"<<endl;
    }
    return 0;
}
```

```
//check if a character is Vowel or not Vowel
#include <iostream>
using namespace std;

int main(){
    char ch='T';
    if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u'){
        cout<<"It is Vowel !"<<endl;
    }else{
        cout<<"Not Vowel !"<<endl;
    }
    return 0;
}
```

```
//check if a number is divisible by 2 or 3.
#include <iostream>
using namespace std;

int main(){
    int num=67;

    if(num%2==0 || num%3==0){
        cout<<"Yes Divisible !"<<endl;
    }else{
        cout<<"Not Divisible !"<<endl;
    }
    return 0;
}
```

```
//check if two numbers are equal
#include <iostream>
using namespace std;

int main(){
    int num1=777;
    int num2=777;

    if(num1==num2){
        cout<<"Yes numbers are equal!"<<endl;
    }else{
        cout<<"NO numbers aren't equal!"<<endl;
    }
    return 0;
}
```

```
//check if a number is single-digit
#include <iostream>
using namespace std;

int main(){
    int num=99;
    if(num>0 && num<10){
        cout<<"It is single-digit!"<<endl;
    }else{
        cout<<"It is not single-digit!"<<endl;
    }
    return 0;
}
```

```
//check if number is divisible by 4 but not 8.

#include <iostream>
using namespace std;

int main(){
    int num=12;
    if(num%4==0 && num%8!=0){
        cout<<"Divisible by 4 but not 8!"<<endl;
    }else{
        cout<<"Not satisfy the condition"<<endl;
    }
    return 0;
}
```

```
//nested if else
//check number is divisible by 9

#include <iostream>
using namespace std;

int main(){
    int num;
    cout<<"Enter a number : "<<endl;
    cin>>num;
    if(num>0){//99>0 true
        if(num%9==0){
            cout<<"Yes Divisible"<<endl;
        }else{
            cout<<"Not divisible"<<endl;
        }
    }else{
        cout<<"Do not enter number as zero"<<endl;
    }
    return 0;
}
```